

HARDWARE

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GEO. SKIDMORE,
NEWTOWN, WEDNESBURY

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GEO. SKIDMORE,
NEWTOWN, WEDNESBURY

HARDWARE:

HOW TO BUY IT FOR FOREIGN MARKETS.

BY

J. WILSON BROWNE.

SECOND EDITION.

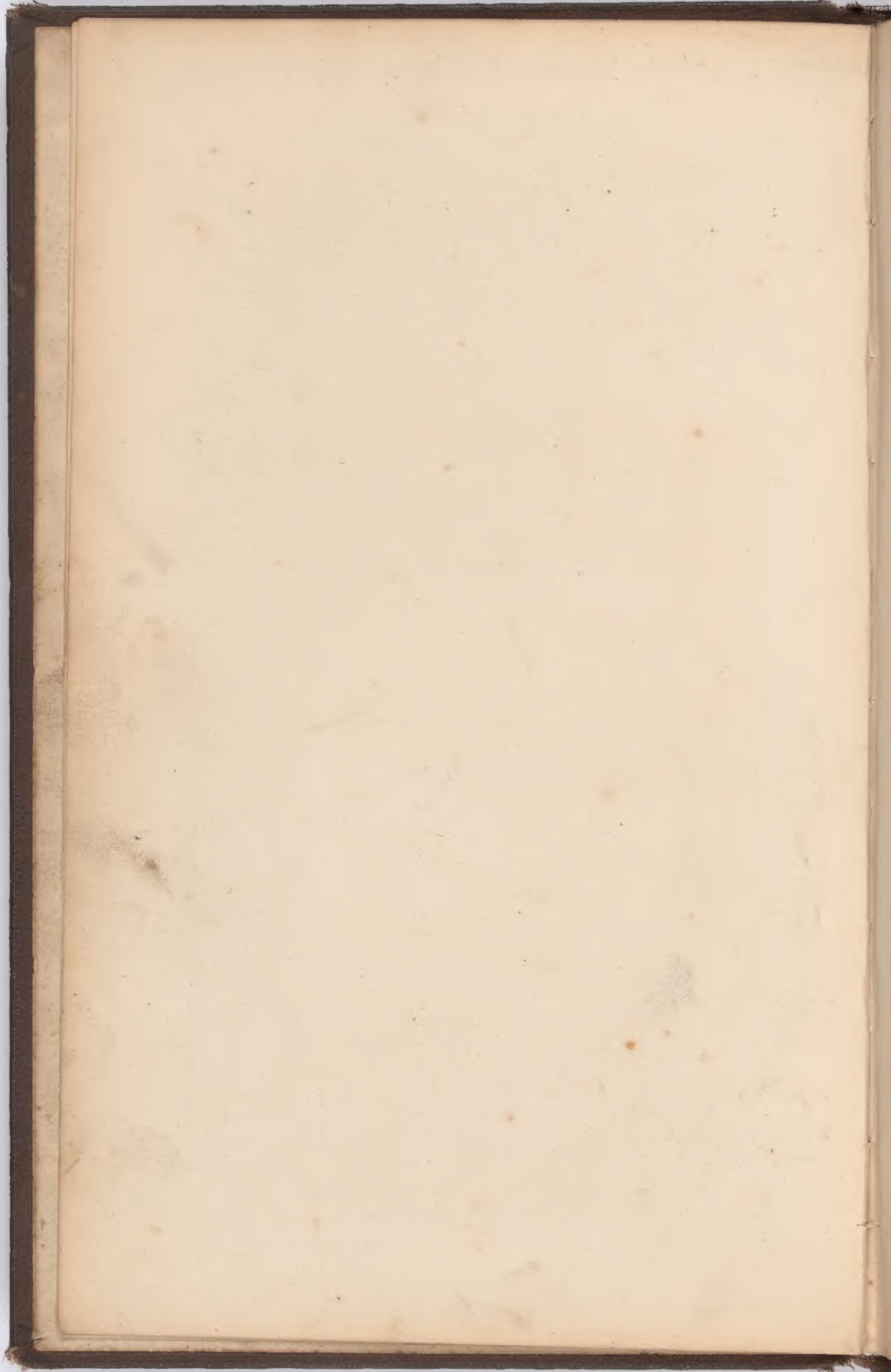
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PREFACE TO THE SECOND EDITION.

SINCE the first Edition of this work was published, an attempt has been made to establish a Standard Wire Gauge to supersede the numerous ones hitherto in use. It is well known that the latter differ so much as to be often of little value for reference. The Board of Trade has therefore this year issued a Table, in decimals of an inch and of a metre, which is to be the future standard.

The South Staffordshire Ironmasters' Association has also issued a similar Table as a standard gauge for Sheet and Hoop Iron.

These Tables will probably be used in future for the measurement of all Metals below a quarter of an inch. They will be found on page 16. A comparison of the new Wire-gauge with the old Table on page 17 will show how far it differs from the measurements generally received. It has not been thought desirable to alter the latter Table (which has had a sort of authority in the trade) until one is issued and recognised by makers in conformity with the gauge just established. The Table on page 17, being the one in general use, will probably continue so for some little time to come.

During the last few years great strides have been made in the manufacture of Bicycles and Tricycles. Their weight and cost have been reduced; greater speed has been attained; and as a

natural result, they have come into far more general use both in England and abroad, especially in the Colonies. At the end of the book will be found a sheet of Drawings and Prices of the cheapest and best of these Machines. The Patents and Patterns that have been and are being brought out are endless, and opinions differ widely as to their respective merits; but the drawings here inserted represent what is believed to be the best value and the most careful workmanship.

The price of the book has been reduced from 10/6 to 7/6, a change which it is hoped will lead to its being more widely circulated.

It only remains for the compiler to offer his sincere thanks to those friends who have favoured him with critical remarks (often too flattering) and suggestions, most of which have been adopted in the present Edition.

BIRMINGHAM,

July, 1884.

LIST OF ILLUSTRATIONS.



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CORRECTION.

Page 80, *line 15 from bottom.* For "6.50 gravity," read ".65 gravity."

NOTES.

Page 33. Prices of Chair Nails are *per m.*

Page 34. Prices of Wire Nails are *per cwt.*

Page 138. —WIRE NETTING.—The prices of $2\frac{1}{2}$ in. and $3\frac{1}{2}$ in. are the same as of $2\frac{1}{4}$ in. and $3\frac{1}{4}$ in. respectively.

NEWTOWN, N.H.

P R E F A C E.

A WEEK'S work in Birmingham comprises, among its various results, the fabrication of 14,000,000 pens, 6,000 bedsteads, 7,000 guns, 300,000,000 cut nails, 100,000,000 buttons, 1,000 saddles, 5,000,000 copper or bronze coins, 20,000 pairs of spectacles, six tons of papier maché wares, over £30,000 worth of jewellery, 4,000 miles of iron and steel wire, ten tons of pins, five tons of hair pins and hooks and eyes, 130,000 gross of wood screws, 500 tons of nuts, screw bolts and spikes, 50 tons of wrought iron hinges, 350 miles' length of wax vestas, 40 tons of refined metal, 40 tons of German silver, 1000 dozen of fenders, 3,500 pairs of bellows, and 800 tons of brass and copper wares.*

This is very wonderful. But if it were possible even to enumerate all the different articles made in the Hardware District, the list would be still more surprising. In and around Birmingham, everything formed of metal, from a locomotive to a pin, is produced.

Object of the work. It may fairly be asked how a small volume can contain anything like a guide to so varied a trade. If a detailed list were prepared of the goods described in books issued by the various manufacturers, it would fill several bulky volumes. The want of a concise work of reference—giving information upon the details of the trade, sufficiently full to guide the buyer, and yet in so condensed a form as to be portable and handy—has been felt by every one who is in the habit of buying hardware. To supply such a want is the main object of the present work. The books of the kind that have hitherto appeared have generally been mere collections of advertisements. This work is not, in any respect, an advertising medium. Not one penny has been received, directly or indirectly, for the mention or recommendation of any article or maker; and if a maker's name appears, it is because he is either (in the judgment of the compiler) the best, or the only producer of the goods described.

* Journal of the Society of Arts.

Plan of the
work.

The first part of the work consists of Tables showing the weights of various sizes of Metals, and the rates usually paid for what are called extra sizes. For some of these tables the compiler is indebted to a very useful volume entitled "Beecroft's Companion," and published by Mr. Beecroft, of Leeds. Following these tables will be found Lists and Illustrations of the most important articles of export, together with a few more novel inventions that are likely, from their intrinsic worth, soon to attract attention.

Gross and nett
lists.

The "Gross" lists are printed in RED INK. By those who are in the habit of buying hardware, the difference between gross and nett lists is perfectly understood. For the benefit of persons who are not accustomed to the details of the trade, it may be necessary to give some explanation. Nett lists give pretty nearly the actual wholesale prices of the goods, and are subject to alterations at the will of the makers by whom they are issued. In some cases they are subject to a discount. Gross lists are prices common to a number of makers in the same trade, and are not altered, except by general consent. They are regulated by a discount varying with quality, assortment, the state of the markets, &c. This discount is usually called a "long discount," to distinguish it from that which is allowed for cash payment. Surprise has often been expressed at the use of these gross lists and long discounts. They arise from the number of sizes of an article often required to be shown in one list. To alter the prices of all these sizes, upon every rise or fall in value, would be a work of great labour. It is manifestly a more convenient mode to leave the prices unaltered, and simply to indicate the change by the rate of percentage allowed. Then the high rate of discount upon some articles (as screws, frying pans, &c.) has led some persons to suppose that the object is to leave a large margin for imposing upon the purchaser. This is quite a mistake. When the list was originally framed, the goods named in it were probably made by hand. The introduction and increased use of machinery have gradually reduced the cost until an article that once sold for a shilling can now be had for two or three pence. Hence a gradual increase in the rate of discount, which has been known to go as high as $87\frac{1}{2}$ per cent, or $\frac{7}{8}$ of the whole list price. As a rule the "long" discounts range from 10 to 40 per cent.

The nett prices must be taken as the approximate values, given with a view more especially to show the *comparative* cost of different sizes. To frame a set of prices subject to a fluctuating rate of discount, affecting all alike, would be very difficult, and it would not long be correct. From various causes it will readily be seen that the prices of some goods rise at the same time when those of others fall.

In some few cases it happens that nett prices are introduced in a gross list. This usually arises from some of the goods being sold by weight while the bulk are priced by tale, as in the case of Wrought Nails and Patent Wrought Iron Hinges. The exception is generally shown clearly in the list.

Illustrated
Books.

Most manufacturers of any note issue books of their own, containing drawings to scale of the goods they produce. Some of these books are very elaborate, and got up at great cost. Without them it would often be impossible for persons at a distance to describe their wants. They are consequently often asked for. The difficulty that lies in the way of sending them abroad freely is two-fold. In the first place they do not denote *quality*. There is, in many goods, a very wide range, and a number of gradations between the best and the commonest description of any given article. The drawing only shows the shape and size. Frequently the most roughly finished goods for the cheapest markets are represented by the most highly finished drawings, issued by a wealthy firm, without any intention to mislead; as the factors and commission houses, by whom these books are chiefly used, perfectly understand what is here stated. A personal knowledge of the makers and their goods can alone be a sure guide as to quality. Secondly, every maker giving one of his books to be sent abroad (and they do not generally sell them) does so on the distinct understanding that any orders obtained by the book are sent to him. This is only fair, and is generally adhered to as a point of honour. The consequence is that orders sent from books leave very little freedom to the buyer to exercise his judgment just where it is most needed. The following work will prove a valuable substitute for makers' books. It is true that it does not contain all the sketches of Brass Foundry, Tin Ware, Holloware, and Tools that may be required, but it gives most of the information that will enable the buyer to dispense with drawings, where the latter would have swelled the work to an inconvenient size, if an attempt had been made to insert them.

There is a book published by the compiler of this work, containing lists and full illustrations of Tools only. The contents are given at the end of this Preface. The price is 10s. The whole of the goods represented are subject to a discount depending upon the quality, the drawings being common to the trade.

Patterns.

A request for Patterns of Hardware is not at all unusual. To supply them is difficult. It is seldom that the exact quality required is understood on this side without a very full and technical description, such as few persons abroad can give. The compiler of this work has frequently known cases of patterns got together with

great labour and expense; and then on their arrival abroad the parties receiving them have been bewildered, or too much engaged to attend properly to them; and the unfortunate patterns have been sold by auction for what they would fetch, or have been left to their fate in some dusty corner of a warehouse.

When a quantity of one article is wanted, the best way is to procure a pattern of what suits the market, and to send it home with the order. The agent is then free to go where he can buy it best, and is relieved of any doubt as to the precise quality required. If the article bears the maker's name, it should be stated whether the goods are required to be of that particular make, or if an equally good quality of another make will do as well. In some markets a name is essential, while it often happens that the same goods may be had from makers of less repute at a saving of 10 to 15 per cent.

Attention should be called to any particular points, such as labels, wrapping, packages, &c. And it should be borne in mind that, especially in uncivilized communities, the importance of little peculiarities is often unduly magnified. In some parts of Africa, for example, the shape of the lock-plate, the curve of the hammer, and the colour of the stock of a gun, are more studied than the soundness of the barrel.

Prompt de-
livery. In these days of telegrams and frequent steamboat communication, buyers abroad expect their wants to be very quickly supplied. Orders are given out more frequently and for smaller quantities than formerly. Surprise is often expressed at the apparently unreasonable time occupied in executing "small" orders. No doubt, carelessness and inattention are sometimes the cause; and a vigorous, unwearied, personal care will effect what cannot be done without it. But it must be borne in mind that the manufacturers seldom keep any of their goods in stock. Hardware is bulky, subject to deterioration from the action of the atmosphere, and the makers' capital is generally invested in machinery or in giving credit to the shopkeepers in the country.

How is it then that more time is usually occupied in the execution of small orders than of large ones?—Simply because the goods are so generally made wholly or in part by machinery, and because the men work by piece work. Nearly every article has in it some part that is either stamped or cast. Dies have consequently to be set in the presses or moulds prepared for the patterns. In either case, time is consumed before the final process of manufacturing can be really commenced. The result is that the men naturally give a preference to a large order that may be completed with one preparation. Indeed

it is often difficult to induce them to set about a small quantity of an article, as long as more paying work is to be had. Then hand-made goods are delayed by other causes. The men work in gangs. Unfortunately it often happens that one of the party may choose to go off drinking. The rest are idle, and either follow his bad example, or find occupation at some other branch until he returns. In these respects the manufacturers are in the hands of their men. Not only are they very powerless to interfere, but they learn by experience that any attempt on their part to exercise much control is usually followed by the loss of their men.

From these facts it will readily be inferred that an order for a hundred gross of an article is more easily executed than one for a dozen.

Another cause operates to produce delay. Very few of the manufacturers are makers of the raw material they consume, and it often happens that for a certain article an exceptional size or thickness of metal is required. Here the metal roller must put in certain rolls; and the same difficulties arise with the men, but in a still greater degree, when the quantity of metal to be rolled is small. It often happens that the manufacturer has to wait weeks, or even months, for a certain gauge of brass or German silver, to produce goods that could be made in a week. The tinware maker must wait for his tin plates; the candlestick maker must wait for his brass sheets; the lockmaker must wait for his sheet iron, and so on.

It follows that every care should be taken to order beforehand such goods as have been found on former occasions to occupy much time in delivering. Experience will indicate which they are. It may certainly happen that goods which were long in making at one time may be quickly produced at another, but this is quite the exception and not the rule. A difference is more likely to arise from a change in quantity than from any other cause. A difference will also be found between a time of brisk trade, when the makers have frequently from six to twelve months' orders on their books, and a time of slack trade when they are thankful for work to keep their men employed. These remarks apply specially to such articles as Locks and Padlocks, Wrought Iron Hinges, and such goods as go through a number of processes in the course of manufacture.

Birmingham, 1877.

TOOLS.

Copy of INDEX of Illustrated Price Book of Tools (see Preface).

Adze Iron	Bookbinders' Plough Knife	Circular Saw Benches
Adzes	Border Shears	Clay Spades
" Brazil Slot	Borers, Tap & Bung	Coach Wrenches
" Carpenters'	" Draw	Coachmakers' T Irons
" Coopers'	Botanical Tools	Combs, Graining
" Coopers' Howel	Bottom Plates	Compasses
" Coopers' Hexagon Eye	Bowie Knives	Coopers' Tools
" Coopers' Nail	Box Whirl Drill Stock	" Crose Irons
" Scotch Improved	Brace Head Drill Stock	" Chisel
" Ship	Braces and Bits	" Drawing Knife
" Spout	Braces, with Bits in Sets	" Drivers
" Wheelers'	" Archimedian	" Flagging Iron
Annular Cutter Bar	" Coopers'	" Free
Anvils	" Gentlemen's	" Ginlets
Anvil Stakes	" Plated	" Hollowing Knives
Archimedian Braces	" Ratchet	" Howel
Augers	" Scotch Iron	" Jigger Knife
" Prices	Brad Awls	" Jointers
Averancators	" Punches	" Jointer Irons
Axes	Branch or Lopping Shears	" Punch
" Australian Felling	Bruzzes, Wheelers'	" Round Shaves
" Bench	Budding Knives	" Shaves
" Biscay Squaring	Bung Borers	" Vice
" Blocking	Burnishers	" Whittles
" Brazil	Butchers' Cleavers	Copper Cord
" Broad	Buckles and Tilters	Copying Presses
" Canada Wedge	Callipers	Corn Forks
" Coachmakers'	Card Pins	Crabs, Hoisting or Lifting
" Colonial Felling	Carpet Strainers	Cramps
" Coopers'	Carving Tools	Creasing Irons
" Dutch Side	Caulking Irons	Crose Irons
" Kent	Champagne Nippers	Curriers' Knives
" Kentucky Wedge	Cheese Knives	Cutter Bar, Annular
" Long Felling	Chisels	Cutting Machine
" Newcastle	" Cabinet	Cutting Nippers
" North Ship	" Carving	Dado Trenching Stops
" Pick	" Coachmakers'	Daisy Grubs
" Scotch	" Chipping	Dibblers, Garden
" Ship	" Crosspoint	Dividers
" Suffolk	" Entering	" Engineers' Beam
" Wheelers'	" Firmer	" Spring
" Yorkshire	" " Socket	Doctors
Beam Dividers	" " Bevilled Edges	Draining Tools
Beck Irons	" Gunstockers'	Draw Borers
Beef Steak Beater	" Lock	Drawing Knives
Bench Cramps	" Long Thin Paring	" Carpenters'
Bellows	" Marble	" Coopers'
Bevils	" Millwrights'	" Egg Handled
Bills	" Mortice	" Gentlemen's
" Gentlemen's	" " Socket	" Mast Shave
" Kent	" Print Cutters	Drill Bow
" Lopping	" Sash Mortice	Drills
" Norfolk	" Ship Slice	Drilling Machines
" Nottingham	" Shipwrights'	Drilling Stocks
" Suffolk	" Socket	Dust Shovels
" Yorkshire	" Socket Mortice	Edging Knives
Bits	" Stalking	Engineers' Hammers
" Screw	" Stone	Engineers' Screw Tools
Blowing Fans	" Turning	Engineers' Beam Dividers
Boiler Bears & Cramps	Chipping Chisels	Engravers' Tools
" Snap	Choppers	Etching Points
Bolt Chisels	Chalk Line Reels	Farriers' Knives
Bone Mill Cutters	Circular Cutters	

INDEX OF TOOLS (continued).

Files	Gauges	Hammers
" Arch	" Needle	" Ship Carpenters'
" Bone	" Pinion	" " Pinmalls
" Cabinet	" Routers	" Sheathing
" Cant	" Steel	" Shoe
" Cotter Taper	" Wire	" Shoeing, Farriers'
" Cross Taper	Gentlemen's Bill, with	" Spike Nail
" Doubled Tanged	Hammer and Claw	" Stone Pick
" Entering	Gentleman's Mallets	" Stone Dresser
" Equalling	Gill Pins	" Tinmen's
" Feather-Edge Parallel	Gilt Picture Cord	" Tomahawk
" Flat	Gimlets	" Upholsterers'
" Flat, Round Edges	Gouges	" Veneering
" Flat Pottance	" Blockmakers'	" Warrington Heads
" Flat, Two Round Edges	" Carving	Harness Punches
" Four Square	" Cutting	Hatchets
" Frame Saw	" Entering	" American Shingling
" Gulletting	" Firmer	" Canada
" Half-Round	" Gunstockers'	" Firemen's
" Half Thick	" Long Thin Paring	" Gentlemen's Claw
" Hand	" Print Cutters	" Helved
" High Back	" Turning	" Kent
" Knife	Graining Combs	" Milton
" Lock	Grape Gatherers	" Shingling
" Mill Saw	Grass Plot Edging Knife	Hay Forkes
" Needle	Grass Shears	" Knives
" Oval	Gravers	" Spades
" Parallel Cotter	Grinding Stones	Hoes
" " Slotting	Grooving Irons	" Dutch
" Pillar	Grooving Machine	" Garden
" Pin	Hackle Pins	" Prussian
" Pottance	Hackles (Hand)	" Turnip
" Reaper	Hammers	" Triangular
" Riffler	" Benwell's Upholsterers'	" Vernon
" Round	" Brick	Hoisting Crabs
" Round off	" Bricklaying	Hollow and Round Irons
" Rubber	" Boiler Makers'	Hooks
" Saw	" Boiler Scaling	Horticultural Tools
" Three Square	" Cabriolet	" Averancators
" Three Square Saw	" Canterbury	" Border Shears
" Topping	" Carpenters' Roofing	" Branch or Lopping
" Tumbler	and Flooring	Shears
Filister Stops	" Clench	" Budding Knives
Fire Shovels	" Cloggers	" Daisy Grubs
Fleam	" Coal	" Dibblers, Garden
Flesh Forks	" Coach Trimmers	" Flower Forks
Floor Cramps	" Cramping	" " Gatherers
Flooring Awls	" Engineers'	" Fruit Gatherers
Flower Forks	" Exeter Heads	" Garden Dibblers
Flower Gatherers	" Farriers' Shoeing	" " Engines
Fluting Machine	" Firemen's Hatchet	" " Rake
Fly Presses	" Framing	" " Reels
Follies	" Garden Bright	" " Shears
Force Pump	" Gardeners' Scotch	" " Syringes
Forges, Portable	" Glaziers'	" Gentlemen's Bill, with
Forks	" Gentlemen's	Hammer and Claw
Frame Saw Buckles	" Grocers' Iron Handles	" Grape Gatherers
Fruit Gatherers	" Horticulturalists' Im-	" Grass Plot Edging
Gabion Knives	proved	Knife
Gardeners' Roll	" Iron Handled Claw	" Grass Shears
Garden Dibblers	" Joiners' Roofing and	" Hammers
" Engines	Flooring	" Hoes
" Forks	" Kent	" Knives, Budding and
" Hoes	" Ladies'	Pruning
" Reels	" Ladies' Garden	" Ladies' Garden Forks
" Shears	" Lathing	" Lawn Grass Shears
" Spades	" London Claw	" " Rake
" Spuds	" Manchester	" Lopping Shears
" Syringes	" Mechanics'	" Milton Hatchet
" Trowels	" Mineralogists'	" Potato Forks
Gas Pipe Cutter	" Platelayers' Keying	" Pruning Chisels
" Pliers	" Plumbers'	" " Hooks, Double
" Tongs	" Rivetting Heads	Edge
" Wrench	" Saddlers'	" " Knives
Gauges	" Scotch	" " Saws
" Letter	" Slaters' Pick	" " Shears
" Marking	" Sledge	" " Long Wood
" Mortice	" Solid Cheek	Handles

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Horticultural Tools

„ Pruning Scissors
 „ Prussian Hoes
 „ Rakes, Garden
 „ „ Lawn
 „ Shears, Branch or
 Lopping
 „ „ Garden
 „ „ Grass Border
 „ „ Ladies' Slide
 Pruning
 „ „ Lawn Grass
 „ „ Lopping
 „ „ Pruning
 „ „ Spring Grass
 „ Spades
 „ Spring Grass Shears
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 „ Syringes, Garden
 „ Tool Chest
 „ Triangular Hoes
 „ Vernon Hoes
 „ Vine Trimming Scissors
 „ Weeding Forks
 „ „ Hooks
 Horticultural Tool Chest
 India Rubber Knife
 Jacks, Screw
 Jigger Knives
 Joiners' Cramps
 „ Mallets
 „ Pincers
 Jointer Irons
 Knives, Budding & Pruning
 Ladies' Garden and Flower
 Forks
 Lancashire Tools
 Lancets
 Lathes
 „ Amateur
 „ Foot
 „ Hand
 „ Screw Cutting
 Lawn Grass Shears
 Lawn Rake
 Ledger Blades
 Levels
 Lifting Crabs
 Logwood Knife
 Lopping Shears
 Machine Knives
 Machine Plane Irons
 Mallets
 Manure Forks
 Marking Awls
 Mast Shaves
 Mattocks
 Meat Choppers
 Mill Shear Blades
 Milton Hatchet
 Mincing Knives
 Mineralogists' Hammer
 Miners' Spades
 Mitre Squares
 Moon Knives
 Mortice Chisels
 Morticing Iron
 Moulding Irons
 Moulding Tools, Plasterers'
 Nail Punches
 Nipper Pliers
 Nippers
 „ Best Cutting
 „ Champagne
 „ Cutting
 „ Shoe
 Paper Cutting Knives
 Paper Knife

Parting Tools

Pen Machines
 Picnic Cases
 Picture Cord
 Pincers
 Pinking Irons
 Pistol Knives
 Plane Irons
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HOW TO BUY HARDWARE FOR FOREIGN MARKETS.

ENGLISH IRON AND STEEL.

The following List of Prices, ruling at one period in 1876, will serve to show the comparative approximate values of the various kinds of Iron specified.

ORDINARY SIZES.

Common Bar Iron	...	...	...	...	...	per ton	£7	0	0
Staffordshire	„	...	...	...	...	„	7	10	0
„	Best Refined Iron	...	...	...	...	„	8	0	0
„	Horse Shoeing	„	...	...	...	„	8	0	0
„	„	„	superior	...	...	„	9	0	0
„	Nail Rods, common	...	...	...	...	„	7	10	0
„	„	best	...	...	...	„	8	10	0
„	Hoop Iron, common	...	...	...	...	„	8	5	0
„	„	best	...	...	...	„	9	0	0
„	Sheet Iron, common	...	...	...	...	„	9	15	0
„	„	best	...	...	...	„	10	0	0
„	Plates, ordinary	...	...	...	...	„	8	0	0
„	Best Refined Boiler Plates	...	...	...	...	„	10	10	0

STEEL.

				3rd Quality, good.			2nd Quality, very good.			Best, warranted.		
				£	s.	d.	£	s.	d.	£	s.	d.
Bessemer Rolled Steel	...	per cwt.		0	12	0	...	0	14	0	...	0 16 0
Spring Steel	...	„		0	14	0	...	0	17	6	...	1 6 0
Blister Steel	...	„		1	2	0	...	1	10	0	...	2 0 0
Cast Steel—tilted, square, round, oval, octagon, flat or three-square, 3/4 in. and above, suitable for cold chisels, turning tools, taps and dies, &c.		„		2	2	0	...	2	10	0	...	3 0 0

F. O. B. LIVERPOOL.

USUAL IRON EXTRAS PER TON.

(MAKERS DIFFER IN THEIR EXTRAS.)

		HOOPS.										
		GAUGES.										
WIDTH.		15	16	17	18	19	20	21	22	23		
$\frac{1}{2}$ and $\frac{9}{16}$ in...		120/-	120/-	120/-	120/-	120/-	120/-	130/-	140/-	150/-		
$\frac{5}{8}$ and $1\frac{1}{16}$ in...		60/-	60/-	60/-	60/-	60/-	80/-	90/-	110/-	130/-		
$\frac{3}{4}$ and $1\frac{1}{8}$ in...		20/-	20/-	20/-	20/-	20/-	40/-	60/-	80/-	100/-		
$\frac{7}{8}$ and $1\frac{1}{4}$ in...		10/-	10/-	10/-	10/-	10/-	20/-	40/-	60/-	80/-		
1 to $1\frac{1}{4}$ in ..		—	—	—	—	—	10/-	30/-	50/-	70/-		
$1\frac{1}{2}$ to $1\frac{1}{2}$ in...		—	—	—	—	10/-	20/-	40/-	60/-	—		
$1\frac{3}{4}$ to 2 in...		—	—	—	10/-	20/-	30/-	—	—	—		
2 1 to 3 in...		—	10/-	20/-	30/-	—	—	—	—	—		
Waved $1\frac{1}{2}$ in.		—	—	10/-	20/-	30/-	—	—	—	—		

SHEET IRON.

Nos. 1 to 20 are ordinary gauge.

Nos. 21 to 24 are 30/-, and Nos. 25 to 27 60/- per ton extra.

Each gauge above No. 27 is 20/- per gauge.

Extras for extreme length or width are according to agreement.

		ANGLES.										
		THICKNESS IN INCHES.										
SIZE IN UNITED INCHES.		$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	
$1\frac{1}{2}$	...	40/-	30/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	Exceeding 20 feet per special agreement.
$1\frac{3}{4}$	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...
$2\frac{1}{4}$	...	...	...	...	...	...	...	...	...	...	...
$2\frac{1}{2}$	...	...	...	...	...	...	...	...	...	...	...
3 up to 5	...	...	...	...	...	...	...	...	...	...	...
For every inch or part of an inch exceeding 9 united inches	...	...	...	...	...	...	...	...	...	...	...	10/- per ton extra.
Exceeding 45 feet, 50 feet, 55 feet to 60 feet,	10/-	20/-	30/-	...	...	...	...	...	...	...	...	per ton extra.

FLAT BARS.

WIDTH.	THICKNESS IN INCHES.										
	$\frac{1}{16}$ & $\frac{3}{16}$	$\frac{1}{8}$ & $\frac{5}{16}$	$\frac{3}{16}$ & $\frac{7}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{3}{4}$ & $\frac{13}{16}$	$\frac{7}{8}$				
$\frac{3}{8}$ to $\frac{1}{2}$ in. ...	160/-	80/-	60/-	40/-	20/-	20/-	20/-	20/-	10/-		
$\frac{1}{2}$ to $\frac{1}{4}$ in. ...	110/-	40/-	30/-	20/-	10/-	—	—	—	10/-		
$\frac{3}{4}$ to $\frac{1}{2}$ in. ...	40/-	30/-	20/-	10/-	—	—	—	—	—		
1 to 3 in. ...	—	20 -	10 -	—	—	—	—	—	—		
$3\frac{1}{4}$ to 6 in. ...	—	—	10/-	—	—	—	—	—	—		
	$6\frac{1}{4}$ to 7 in., 10/-										
	$7\frac{1}{4}$ to 8 in., 20/-										
Exceeding 20 feet, per special agreement. Bars wider than 6 inches											

Exceeding 20 feet, per special agreement. Bars wider than 6 inches made "Best" only.

ROUNDS AND SQUARES.

No. 6.	No. 7.	No. 8.	No. 9.	No. 10.	No. 11.	No. 12.	No. 13.	No. 14.	No. 15.	No. 16.	No. 17.	No. 18.
80	70	60	50	40	30	20	15	10	5	—	—	—

Bars in excess of 3 inches made "Best" only.

Exceeding 20 feet per special agreement.

SIZE	PRICE	SIZE	PRICE	SIZE	PRICE	SIZE	PRICE	SIZE	PRICE	SIZE	PRICE	SIZE	PRICE
$4\frac{1}{4}$ inch to 16 feet	10/-	...	...	...	...	...	...	...	...	...	...
$4\frac{1}{2}$ "	20/-	...	...	...	...	...	...	...	...	...	...
$4\frac{3}{4}$ "	30/-	...	...	...	...	...	...	...	...	...	...
5 "	40/-	...	...	...	...	...	...	...	...	...	...
$5\frac{1}{4}$ "	50/-	...	...	...	...	...	...	...	...	...	...
$5\frac{1}{2}$ "	60/-	...	...	...	...	...	...	...	...	...	...
$5\frac{3}{4}$ "	70/-	...	...	...	...	...	...	...	...	...	...
6 "	80/-	...	...	...	...	...	...	...	...	...	...

In excess of "Best."

$4\frac{1}{4}$ to 6 in. in excess of named lengths per special agreement.

RIVET.		WIRE.	
$\frac{1}{2}$ inch 10/-	|	No. 5 w.g. 10	No. 6 w.g. 20/-

HALF-ROUNDS AND CONVEX.					
WIDTH.	THICKNESS IN INCHES.				
	$\frac{1}{8}$ & $\frac{5}{32}$	$\frac{3}{16}$ & $\frac{7}{32}$	$\frac{1}{4}$ & $\frac{9}{32}$	$\frac{5}{16}$ & $\frac{11}{32}$	
$\frac{3}{8}$ to $\frac{15}{32}$ inch...	100/-	80/-	60/-	—	$\frac{7}{16}$ to $\frac{5}{8}$
$\frac{1}{2}$ to $\frac{11}{16}$ inch...	80/-	60/-	40/-	30/-	20/-
$\frac{3}{4}$ to $\frac{15}{16}$ inch...	60/-	40/-	30/-	20/-	10/-
1 to $1\frac{1}{4}$ inch...	40/-	30/-	20/-	10/-	—
Exceeding 20 feet per special agreement.					

OVALS.					
WIDTH.	THICKNESS IN INCHES.				
	$\frac{3}{32}$ & $\frac{1}{8}$	$\frac{5}{32}$ & $\frac{3}{16}$	$\frac{7}{32}$ & $\frac{1}{4}$	$\frac{9}{32}$ & $\frac{5}{16}$	
$\frac{1}{4}$ and $\frac{1}{16}$ inch	...	100 -	80 -	—	$\frac{7}{16}$ to $\frac{5}{8}$
$\frac{3}{8}$ and $\frac{1}{4}$ inch	...	80/-	60/-	50/-	40/-
$\frac{1}{2}$ and $\frac{9}{16}$ inch	...	70/-	50/-	40/-	30/-
$\frac{5}{8}$ and $\frac{11}{16}$ inch	...	60/-	40/-	30/-	25/-
$\frac{3}{4}$ and $\frac{13}{16}$ inch	...	50 -	30/-	25 -	20 -
$\frac{7}{8}$ inch	...	30/-	20/-	15/-	10/-
Exceeding 20 feet per special agreement.					

TEE IRON.				
Extras on small Tee Iron same as on Angles.				
For every inch or part of an inch exceeding 8 united inches, 10 -				
Exceeding 30 feet, 35 feet, 40 feet, 45 to 50 feet.				
10/- 20/- 40/- 60/-				
Exceeding 8 cwt. per special agreement.				

PLATES.				
From 20 to 25 feet long	...	...	...	20/- per ton.
" 25 to 30 "	...	...	...	40/- "
" 30 to 35 "	...	...	...	60/- "
" 35 to 40 "	...	...	...	80 - "
" 4 feet to 5 feet wide	...	...	...	20/- "
" 5 feet to $5\frac{1}{2}$ feet wide	...	...	...	40/- "
" 5 cwt. to 8 cwt.	...	...	...	20 - "
" 8 cwt. to 12 cwt.	...	...	...	40/- "
" 12 cwt. to 16 cwt.	...	...	...	60/- "
" 16 cwt. to 20 cwt.	...	...	...	80/- "
Half-circular	...	...	...	20/- "
Circular	...	...	...	20/- "
20 - per ton extra for every 10 feet or part of 10 feet on plates containing over 56 superficial feet.				
Sketch plates per special agreement.				

All Bars and Hoops cut to exact lengths, not shorter than 24 inches, 5/- per ton extra.		
Shorter than 24 inches, 12 inches, 6 inches.		
10/-	20/-	40/- per ton extra.

WEIGHT OF MALLEABLE BAR IRON, ONE FOOT LONG.

SQUARE ROLLED BARS.				ROUND ROLLED BARS.			
Scant. Inches.	Weight. Pounds.	Scant. Inches.	Weight. Pounds.	Diam. Inches.	Weight. Pounds.	Diam. Inches.	Weight. Pounds.
$\frac{1}{4}$..	·208	$1\frac{1}{8}$...	12·52	$\frac{1}{4}$...	·163	$1\frac{1}{8}$...	9·83
$\frac{5}{16}$...	·325	2 ...	13·33	$\frac{5}{16}$...	·255	2 ...	10·47
$\frac{3}{8}$...	·468	$2\frac{1}{8}$...	15·05	$\frac{3}{8}$...	·368	$2\frac{1}{8}$...	11·82
$\frac{7}{16}$..	·638	$2\frac{1}{4}$...	16·87	$\frac{7}{16}$...	·501	$2\frac{1}{4}$...	13·25
$\frac{1}{2}$..	·833	$2\frac{3}{8}$...	18·80	$\frac{1}{2}$...	·654	$2\frac{3}{8}$...	14·76
$\frac{9}{16}$...	1·05	$2\frac{1}{2}$...	20·80	$\frac{9}{16}$...	·828	$2\frac{1}{2}$...	16·36
$\frac{5}{8}$...	1·30	$2\frac{5}{8}$...	22·96	$\frac{5}{8}$...	1·02	$2\frac{5}{8}$...	18·03
$1\frac{1}{16}$...	1·57	$2\frac{3}{4}$...	25·20	$1\frac{1}{16}$...	1·23	$2\frac{3}{4}$...	19·79
$\frac{3}{4}$...	1·87	$2\frac{7}{8}$...	27·55	$\frac{3}{4}$...	1·47	$2\frac{7}{8}$...	21·63
$1\frac{1}{8}$...	2·20	3 ...	30·00	$1\frac{1}{8}$...	1·72	3 ...	23·56
$\frac{7}{8}$...	2·55	$3\frac{1}{8}$...	32·55	$\frac{7}{8}$...	2·00	$3\frac{1}{8}$...	25·56
$1\frac{5}{16}$...	2·92	$3\frac{1}{4}$...	35·20	$1\frac{5}{16}$...	2·30	$3\frac{1}{4}$...	27·65
1 ...	3·33	$3\frac{3}{8}$...	37·96	1 ...	2·61	$3\frac{3}{8}$...	29·82
$1\frac{1}{16}$...	3·76	$3\frac{1}{2}$...	40·80	$1\frac{1}{16}$...	2·95	$3\frac{1}{2}$...	32·07
$1\frac{1}{8}$...	4·21	$3\frac{5}{8}$...	43·80	$1\frac{1}{8}$...	3·31	$3\frac{5}{8}$...	34·40
$1\frac{3}{16}$...	4·70	$3\frac{7}{8}$...	46·87	$1\frac{3}{16}$...	3·69	$3\frac{7}{8}$...	36·81
$1\frac{1}{4}$...	5·20	$3\frac{7}{8}$...	50·05	$1\frac{1}{4}$...	4·09	$3\frac{7}{8}$...	39·31
$1\frac{5}{16}$...	5·74	4 ...	53·33	$1\frac{5}{16}$...	4·51	4 ...	41·88
$1\frac{3}{8}$...	6·30	$4\frac{1}{8}$...	56·71	$1\frac{3}{8}$...	4·95	$4\frac{1}{8}$...	44·51
$1\frac{7}{16}$...	6·88	$4\frac{1}{4}$...	60·20	$1\frac{7}{16}$...	5·40	$4\frac{1}{4}$...	47·28
$1\frac{1}{2}$...	7·50	$4\frac{3}{8}$...	63·80	$1\frac{1}{2}$...	5·89	$4\frac{3}{8}$...	50·11
$1\frac{9}{16}$...	8·15	$4\frac{1}{2}$...	67·50	$1\frac{9}{16}$...	6·40	$4\frac{1}{2}$...	53·01
$1\frac{5}{8}$...	8·80	$4\frac{5}{8}$...	71·30	$1\frac{5}{8}$...	6·91	$4\frac{5}{8}$...	56·00
$1\frac{11}{16}$...	9·50	$4\frac{3}{4}$...	75·20	$1\frac{11}{16}$...	7·46	$4\frac{3}{4}$...	59·06
$1\frac{3}{4}$...	10·20	$4\frac{7}{8}$...	79·21	$1\frac{3}{4}$...	8·01	$4\frac{7}{8}$...	62·21
$1\frac{13}{16}$...	10·69	5 ...	83·33	$1\frac{13}{16}$...	8·60	5 ...	65·45
$1\frac{7}{8}$...	11·71			$1\frac{7}{8}$...	9·20		

FLAT ROLLED IRON.—WEIGHT OF A LINEAL FOOT.

WIDTH OF IRON. Inches.	THICK. $\frac{1}{4}$ in. Pounds.	THICK. $\frac{5}{16}$ in. Pounds.	THICK. $\frac{3}{8}$ in. Pounds.	THICK. $\frac{7}{16}$ in. Pounds.	THICK. $\frac{1}{2}$ in. Pounds.	THICK. $\frac{9}{16}$ in. Pounds.	THICK. $\frac{5}{8}$ in. Pounds.	THICK. $\frac{11}{16}$ in. Pounds.	THICK. $\frac{3}{4}$ in. Pounds.	THICK. $\frac{13}{16}$ in. Pounds.	THICK. $\frac{7}{8}$ in. Pounds.	THICK. $1\frac{1}{16}$ in. Pounds.	THICK. 1 in. Pounds.
1	.833	1.04	1.25	1.45	1.66	1.87	2.08	2.29	2.50	2.70	2.91	3.12	3.33
1 $\frac{1}{16}$	.937	1.17	1.40	1.64	1.87	2.10	2.34	2.57	2.81	3.04	3.28	3.51	3.75
1 $\frac{1}{8}$	1.04	1.30	1.56	1.82	2.08	2.34	2.60	2.86	3.12	3.38	3.64	3.90	4.16
1 $\frac{1}{4}$	1.14	1.43	1.71	2.00	2.29	2.57	2.86	3.15	3.43	3.72	4.01	4.29	4.58
1 $\frac{3}{8}$	1.25	1.56	1.87	2.18	2.50	2.81	3.12	3.43	3.75	4.06	4.37	4.68	5.00
1 $\frac{1}{2}$	1.35	1.69	2.03	2.36	2.70	3.04	3.38	3.72	4.06	4.40	4.73	5.07	5.41
1 $\frac{3}{4}$	1.45	1.82	2.18	2.55	2.91	3.28	3.64	4.01	4.37	4.73	5.10	5.46	5.83
1 $\frac{7}{8}$	1.56	1.95	2.34	2.73	3.12	3.51	3.90	4.29	4.68	5.07	5.46	5.85	6.25
2	1.66	2.08	2.50	2.91	3.33	3.75	4.16	4.58	5.00	5.41	5.83	6.25	6.66
2 $\frac{1}{16}$	1.77	2.21	2.65	3.09	3.54	3.98	4.42	4.86	5.31	5.75	6.19	6.64	7.08
2 $\frac{1}{8}$	1.87	2.34	2.81	3.28	3.75	4.21	4.68	5.15	5.62	6.09	6.56	7.03	7.50
2 $\frac{1}{4}$	1.97	2.47	2.96	3.46	3.95	4.45	4.94	5.44	5.93	6.43	6.92	7.42	7.91
2 $\frac{1}{2}$	2.08	2.60	3.12	3.64	4.16	4.68	5.20	5.72	6.25	6.77	7.29	7.81	8.33
2 $\frac{3}{8}$	2.18	2.73	3.28	3.82	4.37	4.92	5.46	6.01	6.56	7.10	7.65	8.20	8.75
2 $\frac{1}{2}$	2.29	2.86	3.43	4.01	4.58	5.15	5.72	6.30	6.87	7.44	8.02	8.59	9.16
2 $\frac{5}{8}$	2.39	2.99	3.59	4.19	4.79	5.39	5.98	6.58	7.18	7.78	8.38	8.98	9.58
3	2.50	3.12	3.75	4.37	5.00	5.62	6.25	6.87	7.50	8.12	8.75	9.37	10.00
3 $\frac{1}{16}$	2.70	3.38	4.06	4.73	5.41	6.09	6.77	7.44	8.12	8.80	9.47	10.15	10.83
3 $\frac{1}{8}$	2.91	3.64	4.37	5.10	5.83	6.56	7.29	8.02	8.75	9.47	10.20	10.93	11.66
3 $\frac{1}{4}$	3.12	3.90	4.68	5.46	6.25	7.03	7.81	8.59	9.37	10.15	10.93	11.71	12.50
3 $\frac{1}{2}$	3.33	4.16	5.00	5.83	6.66	7.50	8.33	9.16	10.00	10.83	11.66	12.50	13.33
4	3.54	4.42	5.31	6.19	7.08	7.96	8.85	9.73	10.62	11.51	12.39	13.28	14.16
4 $\frac{1}{4}$	3.75	4.68	5.62	6.56	7.50	8.43	9.37	10.31	11.25	12.18	13.12	14.06	15.00
4 $\frac{1}{2}$	3.95	4.94	5.93	6.92	7.91	8.90	9.89	10.88	11.87	12.86	13.85	14.84	15.83
5	4.17	5.20	6.25	7.29	8.33	9.37	10.41	11.45	12.50	13.54	14.58	15.62	16.66
5 $\frac{1}{4}$	4.37	5.46	6.56	7.65	8.75	9.84	10.93	12.03	13.12	14.21	15.31	16.40	17.50
5 $\frac{1}{2}$	4.58	5.72	6.87	8.02	9.16	10.31	11.45	12.60	13.75	14.89	16.04	17.18	18.33
6	5.00	6.26	7.50	8.75	10.00	11.25	12.50	13.75	15.00	16.25	17.50	18.75	20.00

HOOP IRON—WEIGHT OF TEN FEET.

WIDTH OF IRON. Inches.	THICK. No. 6. Pounds.	THICK. No. 7. Pounds.	THICK. No. 8. Pounds.	THICK. No. 9. Pounds.	THICK. No. 10. Pounds.	THICK. No. 11. Pounds.	THICK. No. 12. Pounds.	THICK. No. 13. Pounds.	THICK. No. 14. Pounds.	THICK. No. 15. Pounds.	THICK. No. 16. Pounds.	THICK. No. 17. Pounds.	THICK. No. 18. Pounds.
3	5.07	4.68	4.28	3.90	3.51	3.12	2.73	2.34	1.95	1.76	1.56	1.36	1.16
3 1/4	5.90	5.45	4.97	4.55	4.07	3.62	3.17	2.70	2.27	2.05	1.80	1.57	1.35
3 1/2	6.76	6.25	5.71	5.20	4.68	4.16	3.65	3.12	2.60	2.35	2.08	1.81	1.55
4	7.60	7.02	6.42	5.85	5.26	4.68	4.10	3.51	2.92	2.62	2.34	2.04	1.75
4 1/4	8.45	7.81	7.14	6.50	5.85	5.21	4.56	3.90	3.25	2.93	2.60	2.27	1.93
4 1/2	9.30	8.59	7.80	7.15	6.43	5.73	5.01	4.29	3.57	3.23	2.86	2.49	2.13
5	10.15	9.37	8.57	7.80	7.02	6.25	5.47	4.68	3.90	3.52	3.12	2.72	2.32
5 1/4	10.95	10.15	9.25	8.45	7.55	6.75	5.90	5.05	4.20	3.80	3.35	2.90	2.50
5 1/2	11.80	10.90	9.95	9.10	8.15	7.25	6.35	5.40	4.55	4.10	3.60	3.15	2.70
6	12.65	11.65	10.65	9.75	8.75	7.75	6.80	5.80	4.85	4.35	3.85	3.35	2.90
6 1/4	13.53	12.50	11.43	10.40	9.36	8.33	7.30	6.25	5.20	4.70	4.16	3.63	3.10
6 1/2	14.37	13.27	12.14	11.05	9.95	8.85	7.75	6.64	5.52	4.97	4.42	3.85	3.30
7	15.21	14.05	12.85	11.70	10.53	9.37	8.20	7.03	5.85	5.25	4.68	4.08	3.50
7 1/4	16.07	14.84	13.52	12.35	11.11	9.89	8.66	7.42	6.17	5.58	4.94	4.31	3.68
7 1/2	16.90	15.62	14.28	13.00	11.71	10.42	9.12	7.81	6.50	5.87	5.20	4.54	3.87
8	17.75	16.40	14.75	13.65	12.28	10.93	9.68	8.19	6.82	6.15	5.45	4.75	4.05
8 1/4	18.61	17.18	15.21	14.30	12.87	11.46	10.03	8.59	7.15	6.46	5.72	4.99	4.26
8 1/2	19.45	17.96	16.18	14.95	13.46	11.98	10.49	8.98	7.47	6.75	5.98	5.22	4.45
9	20.30	18.75	17.15	15.60	14.05	12.50	10.95	9.37	7.80	7.05	6.25	5.45	4.65
9 1/4	21.90	20.30	18.50	16.90	15.10	13.50	11.80	10.10	8.40	7.60	6.70	5.80	5.00
9 1/2	23.60	21.80	19.90	18.20	16.30	14.50	12.70	10.80	9.10	8.20	7.20	6.30	5.40
10	25.30	23.30	21.30	19.50	17.50	15.50	13.60	11.60	9.70	8.70	7.70	6.70	5.80
10 1/4	27.07	25.00	22.86	20.80	18.73	16.67	14.60	12.50	10.40	9.40	8.33	7.26	6.20
10 1/2	28.75	26.55	24.28	22.10	19.90	17.70	15.50	13.28	11.05	9.95	8.84	7.70	6.60
11	30.43	28.10	25.71	23.40	21.07	18.75	16.40	14.06	11.70	10.50	9.36	8.17	7.00
11 1/4	32.14	29.68	26.64	24.70	22.23	19.79	17.33	14.84	12.35	11.16	9.88	8.62	7.36
11 1/2	33.80	31.25	28.57	26.00	23.42	20.84	18.25	15.63	13.00	11.75	10.41	9.08	7.75
12	35.50	32.81	29.50	27.30	24.56	21.86	19.16	16.38	13.65	12.31	10.91	9.51	8.11
12 1/4	37.22	34.37	30.43	28.60	25.75	22.92	20.07	17.18	14.30	12.92	11.45	9.98	8.22
12 1/2	38.91	35.93	32.36	29.90	26.92	23.96	20.98	17.96	14.95	13.51	11.97	10.44	8.91
13	40.60	37.50	34.30	31.20	28.10	25.00	21.90	18.75	15.60	14.10	12.50	10.90	9.30

Ten feet 5/16 in. x 21 w.g. 685 lbs.

Ten feet 5/16 in. x 20 w.g. 685 lbs.

Ten feet 5/16 in. x 19 w.g. 124 lbs.

SHEET IRON.—WEIGHT OF A SUPERFICIAL FOOT.

2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0 lbs.
$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
12.5	12.0	11.0	10.0	8.74	8.12	7.5	6.86	6.24	5.62	5.00	lbs.
1	2	3	4	5	6	7	8	9	10	11	w.g.
5.0	4.38	3.75	3.12	2.82	2.5	2.18	1.86	1.7	1.54	1.4	lbs.
11	12	13	14	15	16	17	18	19	20	21	w.g.
1.4	1.25	1.12	1.0	.9	.8	.72	.64	.56	.5	.45	lbs.
21	22	23	24	25	26	27	28	29	30	31	w.g.

CAST IRON.—WEIGHT OF A LINEAL FOOT.

SQUARE.				ROUND.			
Size. Inches Sq.	Weight. Pounds.	Size. Inches Sq.	Weight. Pounds.	Size. In. Diam.	Weight. Pounds.	Size. In. Diam.	Weight. Pounds.
1	.78	$4\frac{7}{8}$	74.26	1	.61	$4\frac{7}{8}$	58.32
1	1.22	5	78.12	1	.95	5	61.35
1	1.75	$5\frac{1}{8}$	82.08	1	1.38	$5\frac{1}{8}$	64.46
1	2.39	$5\frac{1}{4}$	86.13	1	1.87	$5\frac{1}{4}$	67.64
1	3.12	$5\frac{3}{8}$	90.28	1	2.45	$5\frac{3}{8}$	70.09
1	3.95	$5\frac{1}{2}$	94.53	1	3.10	$5\frac{1}{2}$	74.24
1	4.88	$5\frac{5}{8}$	98.87	1	3.83	$5\frac{5}{8}$	77.65
1	5.90	$5\frac{3}{4}$	103.32	1	4.64	$5\frac{3}{4}$	81.14
1	7.03	$5\frac{7}{8}$	107.86	1	5.52	$5\frac{7}{8}$	84.71
1	8.25	6	112.50	1	6.48	6	88.35
1	9.57	$6\frac{1}{4}$	122.08	1	7.51	$6\frac{1}{4}$	95.87
1	10.98	$6\frac{1}{2}$	132.03	1	8.62	$6\frac{1}{2}$	103.69
2	12.50	$6\frac{3}{4}$	142.38	2	9.81	$6\frac{3}{4}$	111.82
2	14.11	7	153.12	2	11.08	7	120.26
2	15.81	$7\frac{1}{4}$	164.25	2	12.42	$7\frac{1}{4}$	129.00
2	17.62	$7\frac{1}{2}$	175.78	2	13.84	$7\frac{1}{2}$	138.05
2	19.53	$7\frac{3}{4}$	187.68	2	15.33	$7\frac{3}{4}$	147.41
2	21.53	8	200.00	2	16.91	8	157.08
2	23.63	$8\frac{1}{4}$	212.56	2	18.56	$8\frac{1}{4}$	167.05
2	25.83	$8\frac{1}{2}$	225.78	2	20.28	$8\frac{1}{2}$	177.10
3	28.12	$8\frac{3}{4}$	239.25	3	22.08	$8\frac{3}{4}$	187.91
3	30.51	9	253.12	3	23.96	9	198.79
3	33.00	$9\frac{1}{4}$	267.38	3	25.92	$9\frac{1}{4}$	210.00
3	35.59	$9\frac{1}{2}$	282.00	3	27.95	$9\frac{1}{2}$	221.50
3	38.28	$9\frac{3}{4}$	297.07	3	30.06	$9\frac{3}{4}$	233.31
3	41.06	10	312.50	3	32.25	10	245.43
3	43.94	$10\frac{1}{4}$	328.32	3	34.51	$10\frac{1}{4}$	257.86
3	46.92	$10\frac{1}{2}$	344.53	3	36.85	$10\frac{1}{2}$	270.59
4	50.00	$10\frac{3}{4}$	361.13	4	39.27	$10\frac{3}{4}$	283.63
4	53.14	11	378.12	4	41.76	11	296.97
4	56.44	$11\frac{1}{4}$	395.50	4	44.27	$11\frac{1}{4}$	310.63
4	59.81	$11\frac{1}{2}$	413.28	4	46.97	$11\frac{1}{2}$	324.59
4	63.28	$11\frac{3}{4}$	431.44	4	49.70	$11\frac{3}{4}$	338.85
4	66.84	12	450.00	4	52.50	12	353.43
4	70.50			4	55.37		

NOTE.—The weight of wrought-iron being 1—

The weight of cast-iron =	.95
Ditto steel =	1.02
Ditto copper =	1.16
Ditto brass =	1.09
Ditto lead =	1.48

The weight of cast-iron being 1—

The weight of wrought-iron =	1.07
Ditto steel =	1.08
Ditto brass =	1.16
Ditto copper =	1.21
Ditto lead =	1.56

TIN PLATES.

TABLE OF SIZES, WRIGHTS, AND RELATIVE PRICES,
RECKONING 1 C CHARCOAL AT 24/- PER BOX.

MARK.	No. of Sheets per Box.	Size.		Nett Weight per Box.			Shillings.
		Inch.	Inch.	Cwt.	qrs.	lbs.	
1 C Charcoal	225	14	× 10	1	0	0	24
1 X	"	"	"	1	1	0	30
1 X X	"	"	"	1	1	21	36
1 X X X	"	"	"	1	2	14	42
1 X X X . X	"	"	"	1	3	7	48
1 X X X . X X	"	"	"	2	0	0	54
1 X X X . X X X	"	"	"	2	0	21	60
14 × 20 1 C	112	14	× 20	1	0	0	25
14 × 20 1 X	"	"	"	1	1	0	31
14 × 20 1 X X	"	"	"	1	1	21	37
14 × 20 1 X X X	"	"	"	1	2	14	43
14 × 20 1 X X X X	"	"	"	1	3	7	49
12 × 12 1 C	225	12	× 12	1	0	0	24
12 × 12 1 X	"	"	"	1	1	0	30
12 × 12 1 X X	"	"	"	1	1	21	36
12 × 12 1 X X X	"	"	"	1	2	14	42
12 × 12 1 X X X . X	"	"	"	1	3	7	48
12 × 12 1 X X X . X X	"	"	"	2	0	0	54
12 × 12 1 X X X . X X X	"	"	"	2	0	21	60
10 × 10 1 C	225	10	× 10	0	3	0	18/6
10 × 10 1 X	"	"	"	0	3	16	24/6
S D C	200	15	× 11	1	1	27	46
S D X	"	"	"	1	2	20	52
S D X X	"	"	"	1	3	13	58
S D X X X	"	"	"	2	0	6	64
S D X X X . X	"	"	"	2	0	27	70
S D X X X . X X	"	"	"	2	1	20	76
S D X X X . X X X	"	"	"	2	2	13	82
D C	100	17	× 12 ¹ / ₂	0	3	14	20
D X	"	"	"	1	0	14	26
D X X	"	"	"	1	1	7	32
D X X X	"	"	"	1	2	0	38
D X X X . X	"	"	"	1	2	21	44
D X X X . X X	"	"	"	1	3	14	50
D X X X . X X X	"	"	"	2	0	7	56
1 C COKE	225	14	× 10	1	0	0	20
1 X COKE	"	"	"	1	1	0	26

N.B.—Average weight of Wooden Boxes about 8 lbs.

BRASS, COPPER, STEEL, AND LEAD.

WEIGHT OF A LINEAL FOOT OF ROUND AND SQUARE.

Diameter and side of Squares.	BRASS.		COPPER.		STEEL.		LEAD.	
	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.
Inches.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
$\frac{1}{4}$	·17	·22	·188	·24	·167	·213		
$\frac{3}{8}$	·39	·50	·424	·54	·376	·479		
$\frac{1}{2}$	·70	·90	·755	·96	·669	·855		
$\frac{5}{8}$	1·10	1·40	1·17	1·50	1·04	1·33		
$\frac{3}{4}$	1·59	2·02	1·69	2·16	1·50	1·91		
$\frac{7}{8}$	2·16	2·75	2·31	2·94	2·05	2·61		
1	2·83	3·60	3·02	3·84	2·67	3·40	3·87	4·93
$1\frac{1}{8}$	3·58	4·56	3·82	4·86	3·38	4·34	4·90	6·25
$1\frac{1}{4}$	4·42	5·63	4·71	6·00	4·18	5·32	6·06	7·71
$1\frac{3}{8}$	5·35	6·81	5·71	7·27	5·06	6·44	7·33	9·33
$1\frac{1}{2}$	6·36	8·10	6·79	8·65	6·02	7·67	8·72	11·11
$1\frac{5}{8}$	7·47	9·51	7·94	10·15	7·07	9·00	10·24	13·04
$1\frac{3}{4}$	8·66	11·03	9·21	11·77	8·20	10·14	11·87	15·12
$1\frac{7}{8}$	9·95	12·66	10·61	13·52	9·41	11·98	13·63	17·36
2	11·32	14·41	12·08	15·38	10·71	13·63	15·51	19·75
$2\frac{1}{8}$	12·78	16·27	13·64	17·36	12·05	15·80	17·51	22·29
$2\frac{1}{4}$	14·32	18·24	15·29	19·47	13·51	17·20	19·63	25·00
$2\frac{3}{8}$	15·96	20·32	17·03	21·69	15·05	19·17	21·80	27·80
$2\frac{1}{2}$	17·68	22·53	18·87	24·03	16·68	21·21	24·24	30·86
$2\frac{5}{8}$	19·50	24·83	20·81	26·50	18·39	23·41	26·72	34·02
$2\frac{3}{4}$	21·40	27·25	22·84	29·08	20·18	25·70	29·33	37·34
$2\frac{7}{8}$	23·39	29·78	24·92	31·79	22·06	28·10	32·05	40·81
3	25·47	32·43	27·18	34·61	24·23	30·60	34·90	44·44

COPPER.—WEIGHT OF A SUPERFICIAL FOOT.
THICKNESS IN PARTS OF AN INCH.

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	1/65536	1/131072	1/262144	1/524288	1/1048576	1/2097152	1/4194304	1/8388608	1/16777216	1/33554432	1/67108864	1/134217728	1/268435456	1/536870912	1/1073741824	1/2147483648	1/4294967296	1/8589934592	1/17179869184	1/34359738368	1/68719476736	1/137438953472	1/274877906944	1/549755813888	1/1099511627776	1/2199023255552	1/4398046511104	1/8796093022208	1/17592186044416	1/35184372088832	1/70368744177664	1/140737488355328	1/281474976710656	1/562949953421312	1/1125899906842624	1/2251799813685248	1/4503599627370496	1/9007199254740992	1/18014398509481984	1/36028797018963968	1/72057594037927936	1/144115188075855872	1/288230376151711744	1/576460752303423488	1/1152921504606846976	1/2305843009213693952	1/4611686018427387904	1/9223372036854775808	1/18446744073709551616	1/36893488147419103232	1/73786976294838206464	1/147573952589676412928	1/295147905179352825856	1/590295810358705651712	1/1180591620717411303424	1/2361183241434822606848	1/4722366482869645213696	1/9444732965739290427392	1/18889465931478580854784	1/37778931862957161709568	1/75557863725914323419136	1/151115727451828646838272	1/302231454903657293676544	1/604462909807314587353088	1/1208925819614629174706176	1/2417851639229258349412352	1/4835703278458516698824704	1/9671406556917033397649408	1/19342813113834066795298816	1/38685626227668133590597632	1/77371252455336267181195264	1/154742504910672534362390528	1/309485009821345068724781056	1/618970019642690137449562112	1/1237940039285380274899124224	1/2475880078570760549798248448	1/4951760157141521099596496896	1/9903520314283042199192993792	1/19807040628566084398385987584	1/39614081257132168796771975168	1/79228162514264337593543950336	1/158456325028528675187087900672	1/316912650057057350374175801344	1/633825300114114700748351602688	1/1267650600228229401496703205376	1/2535301200456458802993406410752	1/5070602400912917605986812821504	1/10141204801825835211973625643008	1/20282409603651670423947251286016	1/40564819207303340847894502572032	1/81129638414606681695789005144064	1/162259276829213363391578010288128	1/324518553658426726783156020576256	1/649037107316853453566312041152512	1/1298074214633706907132624082305024	1/2596148429267413814265248164610048	1/5192296858534827628530496329220096	1/10384593717069655257060992658440192	1/20769187434139310514121985316880384	1/41538374868278621028243970633760768	1/83076749736557242056487941267521536	1/166153499473114484112975882535043072	1/332306998946228968225951765070086144	1/664613997892457936451903530140172288	1/1329227995784915872903807060280344576	1/2658455991569831745807614120560689152	1/5316911983139663491615228241121378304	1/10633823966279326983230456482242756608	1/21267647932558653966460912964485513216	1/42535295865117307932921825928971026432	1/85070591730234615865843651857942052864	1/170141183460469231731687303715884105728	1/340282366920938463463374607431768211456	1/680564733841876926926749214863536422912	1/1361129467683753853853498429727072845824	1/2722258935367507707706996859454145691648	1/5444517870735015415413993718908291383296	1/10889035741470030830827987437816582766592	1/21778071482940061661655974875633165533184	1/43556142965880123323311949751266331066368	1/87112285931760246646623899502532662132736	1/174224571863520493293247799005065324265472	1/348449143727040986586495598010130648530944	1/696898287454081973172991196020261297061888	1/1393796574908163946345982392040522594123776	1/2787593149816327892691964784081045188247552	1/5575186299632655785383929568162090376495104	1/11150372599265311570767859136324180752990208	1/22300745198530623141535718272648361505980416	1/44601490397061246283071436545296723011960832	1/89202980794122492566142873090593446023921664	1/178405961588244985132285746181186892047843328	1/356811923176489970264571492362373784095686656	1/713623846352979940529142984724747568191373312	1/1427247692705959881058285969449495136382746624	1/2854495385411919762116571938898990272765493248	1/5708990770823839524233143877797980545530986496	1/11417981541647679048466287755595961091061972992	1/22835963083295358096932575511191922182123945984	1/45671926166590716193865151022383844364247891968	1/91343852333181432387730302044767688728495783936	1/182687704666362864775460604089535377456991567872	1/365375409332725729550921208179070754913983135744	1/730750818665451459101842416358141509827966271488	1/1461501637330902918203684832716283019655932542976	1/2923003274661805836407369665432566039311851085952	1/5846006549323611672814739330865132078623702171904	1/11692013098647223345629478661730264157247404343808	1/23384026197294446691258957323460528314494808687616	1/46768052394588893382517914646921056628989617375232	1/93536104789177786765035829293842113257979234750464	1/187072209578355573530071658587684226515958469500928	1/374144419156711147060143317175368453031916939001856	1/748288838313422294120286634350736906063833878003712	1/1496577676626844588240573268701473812127667756007424	1/2993155353253689176481146537402947624255335512014848	1/5986310706507378352962293074805895248510671024029696	1/11972621413014756705924586149611790497021342048059392	1/23945242826029513411849172299223580994042684096118784	1/47890485652059026823698344598447161988085368192237568	1/95780971304118053647396689196894323976170736384475136	1/191561942608236107294793378393788647952341472768950272	1/38312388521647221458958675678757729590468294553790048	1/76624777043294442917917351357515459180936589107580096	1/153249554086588885835834702715030918361873178215160192	1/306499108173177771671669405430061836723746356430320384	1/612998216346355543343338810860123673447492712860640768	1/1225996432692711086686677621720247346894985425721281536	1/2451992865385422173373355243440494693789970851442563072	1/4903985730770844346746710486880989387579941702885126144	1/9807971461541688693493420973761978775159883405770252288	1/19615942923083377386986841947523957550319766811540504576	1/39231885846166754773973683895047915100639533623081009152	1/78463771692333509547947367790095830201279067246162018304	1/156927543384667019095894735580191660402558134492324036608	1/313855086769334038191789471160383320805116268984648073216	1/627710173538668076383578942320766641610232537969296146432	1/1255420347077336152767157884641533283220465075938592292864	1/25108406941546723055343157692830665664409301518771845856	1/50216813883093446110686315385661331328818603037543691712	1/100433627766186892221372630771322662657637206075087383424	1/200867255532373784442745261542645325315274412150174766848	1/401734511064747568885490523085290650630548824300349533696	1/803469022129495137770981046170581301261097648600699067392	1/1606938044258990275541962092341162602522195297201398134784	1/3213876088517980551083924184682325205044390594402796269568	1/6427752177035961102167848369364650410088781188805592539136	1/12855504354071922204335696738729300820177562377611185078272	1/25711008708143844408671393477458601640355124755222370156544	1/51422017416287688817342786954917203280710249510444740313088	1/102844034832575377634685573909834406561420499020889480626176	1/205688069665150755269371147819668813122840998041778961252352	1/411376139330301510538742295639337626245681996083557922504704	1/822752278660603021077484591278675252491363992167115845009408	1/1645504557321206042154969182557350504982727984334231690018816	1/3291009114642412084309938365114701009965455968668463380037632	1/6582018229284824168619876730229402019930911937336926760075264	1/13164036458569648337239753460458804039861823874673853520150528	1/26328072917139296674479506920917608079723647749347707040301056	1/52656145834278593348959013841835216159447295498695414080602112	1/105312291668557186697918027683670432318894590997390828161204224	1/210624583337114373395836055367340864637789181994781656322408448	1/421249166674228746791672110734681729275578363989563312644816896	1/842498333348457493583344221469363458551156727979126625289633792	1/1684996666696914987166688442938726917102313455958253250579267584	1/3369993333393829974333376885877453834204626911916506501158535168	1/6739986666787659948666753771754907668409253823833013002317070336	1/13479973333575319897333507543509815336818507647666026004634140672	1/26959946667150639794667015087019630673637015295332052009268281344	1/53919893334301279589334030174039261347274030590664104018536562688	1/107839786668602559178668060348078522694548061181328208037073125376	1/215679573337205118357336120696157045389096122362656416074146250752	1/431359146674410236714672241392314090778192244725312832148292501504	1/862718293348820473429344482784628181556384489450625664296585003008	1/1725436586697640946858688965569256363112768978901251328593170066016	1/3450873173395281893717377931138512726225537957802502657186340132032	1/6901746346790563787434755862277025452451075915605005314372680264064	1/13803492693581127574869511724554050904902151831210010628745360528128	1/27606985387162255149739023449108101809804303662420021257490721056256	1/55213970774324510299478046898216203619608607324840042514981442112512	1/110427941548649020598956093796432407239217214649680085029962884225024	1/220855883097298041197912187592864814478434429299360170059925768450048	1/441711766194596082395824375185729628956868858598720340119851536900096	1/883423532389192164791648750371459257913737717197440680239703073800192	1/1766847064778384329583297500742918515827475434394881360479406147600384	1/3533694129556768659166595001485837031654950868789762720958812295200768	1/7067388259113537318333190002971674063309901737579525441917624590401536	1/14134776518227074636666380005943348126619803475159050883835249180803072	1/28269553036454149273332760011886696253239606950318101767670498361606144	1/56539106072908298546665520023773392506479213900636203535340996723212288	1/113078212145816597093331040047546785012958427801272407070681993446424576	1/226156424291633194186662080095093570025916855602544814141363986892849152	1/452312848583266388373324160190187140051833711205089628282727973785698304	1/904625697166532776746648320380374280103667422410179256565455947571396608	1/1809251394333065553493296640760748560207334844820358513130911895142793216	1/3618502788666131106986593281521497120414669689640717026261823790285586432	1/7237005577332262213973186563042994240829339379281434052523647580571172864	1/14474011154664524427946373126085988481658678758562868105047295161145728	1/28948022309329048855892746252171976963317357517125736210094590322291456	1/57896044618658097711785492504343953926634715034251472420189180644582912	1/115792089237316195423570985008687907853269430068502944840378361289165824	1/231584178474632390847141970017375815706538860137005889680756722578331648	1/463168356949264781694283940034751631413077720274011779361513445156663296	1/926336713898529563388567880069503262826155440548023558723026890313326592	1/1852673427797059126777135760139006525652310881096047117446053780626653184	1/3705346855594118253554271520278013051304621762192094234892107561253306368	1/7410693711188236507108543040556026102609243524384188469784215122506612736	1/148213874223764730142170860811120522052184870487683769395684302450132
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COPPER EXTRAS.—Continued.

STRONG COPPER.

STRONG COPPER, to be charged at the lowest rate, will consist of—

SHEATHING, SHEETS	16 oz. and upwards,	up to 14 superficial feet and not less than 16 oz. per superficial foot.
" exceeding 14	16	28 oz.
" 16	24	32 oz.
" "	28	48 oz.
" "	24	32
" "	28	48

COMMON FURNACE and POT SLIDES.

BOLTS and BARS not exceeding 2 inches, and not less than 9-16ths of an inch, Square or Round.

EXTRA SHEETS.

Extra charge per ton of Copper	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.
...
The weight per superficial foot denotes, in each case, the lightest which can be executed for the extra charge under which it occurs.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.
SHEATHING COPPER...	2 10	5 0	7 10	10 0	12 10	15 0	20 0
up to 14 superficial feet ...	Not less than per sup. foot.	Not less than per sup. foot.	Not less than per sup. foot.	Not less than per sup. foot.	Not less than per sup. foot.	Not less than per sup. foot.	Not less than per sup. foot.
14	14 oz.	12 oz.	...	10 oz.	...	8 oz.	6 oz.
16	...	14 oz.	...	12 oz.	...	10 oz.	...
18	24 oz.	20 oz.	18 oz.	16 oz.	14 oz.	12 oz.	...
20	26 oz.	22 oz.	20 oz.	18 oz.	16 oz.	14 oz.	12 oz.
22	2½ lbs.	2 lbs.	1½ lbs.	1¼ lbs.	...	1½ lbs.	...
24	3 lbs.	2½ lbs.	2 lbs.	1½ lbs.	...	...	1 lb.
26	5 lbs.	4 lbs.	3 lbs.	2 lbs.	...	...	...
28	7 lbs.	6 lbs.	...	4½ lbs.	...	1½ lbs.	...
30	...	9 lbs.	...	7 lbs.	...	3 lbs.	2 lbs.
32	...	12 lbs.	...	9 lbs.	...	5 lbs.	3 lbs.
34	...	15 lbs.	...	12 lbs.	...	7 lbs.	5 lbs.
36	15 lbs.	...	9 lbs.	7 lbs.
38
40
42
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98
100

SHEETS, 5 feet wide and up to 6 feet, £2 10s. per ton beyond the above.

Over 6	"	"	7	£5 0s.
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SHEETS cut to pattern £3 10s. per ton beyond the above when less than $\frac{1}{8}$ th is cut off.

£5 0s. " when more than $\frac{1}{8}$ th is cut off, and less than $\frac{1}{3}$ rd.

when more than $\frac{1}{3}$ rd is cut off, £10 beyond the above.

HARD ROLLED ENGRAVING PLATES, £10.

PAPER PLATES, £30.

FLAT BOTTOMS, up to 60 inches, £5 per ton beyond strong Copper or Copper of equal strength.

“ exceeding 60 inches and up to 72 inches, £8 per ton beyond copper of equal strength.

"	72 inches	108 inches, £15
"	"	"
"	"	"

2·7	5·5	8·2	10·9	13·6	16·3	19·0	21·8	27·1	32·5	37·9	43·3	lbs.
$\frac{1}{16}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	W.G.
	13.75	13.2	12.1	11.0	9.61	8.93	8.25	7.54	6.86	6.18	5.5	4.81	4.12	3.43	3.1	lbs.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	w.g.
2.75	2.4	2.04	1.87	1.69	1.54	1.37	1.23	1.1	.99	.88	.79	.7	.616	.55	lbs.

[illegible]

LEAD.—WEIGHT OF A SUPERFICIAL FOOT.
THICKNESS IN PARTS OF AN INCH.

3.7	7.4	11.1	14.8	18.5	22.2	25.9	29.6	37.0	44.4	57.8	59.2	lbs.
$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.

SHEET ZINC. WEIGHTS PER SUPERFICIAL FOOT, AND PER SHEET OF USUAL DIMENSIONS.

GAUGE.	Approximate Weight per Square Foot.			Approximate Weight of Sheets.			Approximate Weight of Sheets.		
	lbs.	ounces.	drams.	7ft. by 8ft.	7ft. by 3ft.	8ft. by 3ft.	7ft. by 2ft. 8in.	7ft. by 3ft.	8ft. by 3ft.
1	0	1	2	14	12	12	21	24	28
2	0	2	5	15	12	12	25	28	32
3	0	3	8	16	12	12	28	32	37
4	0	4	11	17	11	11	32	36	41
5	0	5	14	18	11	11	35	40	46
6	0	6	17	19	11	11	39	44	50
7	0	8	20	20	10	10	42	48	54
8	0	9	22	21	12	12	47	53	61
9	0	10	25	22	14	14	52	58	67
10	0	11	28	23	17	17	57	64	73
11	0	13	31	24	19	19	62	69	79
12	0	15	35	25	22	22	66	75	85
13	1	0	38	26	25	25	71	80	92

Sheets from Nos. 1 to 5 are only rolled to order and special dimensions.

SHIP SHEATHINGS.

Number.	Weight per Sheet about			The 3 Cwt case contains about		
	lbs.	ounces.	drams.	lbs.	ounces.	drams.
13	5	13	13	13	13	13
14	6	5	7	14	5	7
15	6	14	4	15	4	80
16	7	7	3	16	7	74
17	8	5	10	17	5	66
18	9	8	1	18	8	58

EQUIVALENT PER TON OR RATE PER LB.

1 per lb.	£4	13	4 per ton.	3½	per lb.	£65	6	8 per ton.	11	per lb.	£102	13	4 per ton.
1/1	9	6	8	37	6	8	70	0	1/1	112	0	0	112
1/2	14	0	0	42	0	0	74	13	1/2	121	6	8	121
2/3	18	13	4	46	13	4	84	0	2/3	130	13	4	130
3/4	23	6	8	51	6	8	93	6	3/4	140	0	0	140
1	28	0	0	56	0	0	112	0	1	150	0	0	150

GALVANIZED IRON.

TABLE SHEWING WEIGHT PER SHEET AND NUMBER OF SHEETS PER TON

GAUGE.	FLAT SHEETS. 6 ft. x 2ft.		CORRUGATED SHEETS.	
	Pounds per Sheet about	Sheets per Ton.	Weight per Sheet of 6 ft. by Eight 3in. Flutes. 11 1/2	Sheets per Ton.
12	54	41		
14	45	49	...	...
16	32 1/4	69	40	56
18	26 1/4	85	32	70
20	21	106	25 1/2	87
22	18	124	22	101
24	13 1/2	165	17	131
26	12	186	14 1/2	154
28	9 1/2	235	12	186

Sheets from 16 to 24 gauge, in lengths of from 4 to 7 feet, and sheets of 26 and 28 gauge, in lengths of from 4 to 6 feet, with 3 or 5 inch corrugations, are not extra.

EXTRAS.—FLAT SHEETS.

12 to 28 gauge, over 24 in. and up to 30 in. wide	...	10/- per ton.
12 „ 26 „ „ 30 „ „ 36 „	...	20/- „
12 „ 28 „ „ 72 „ „ 84 in. long	...	10/- „
12 „ 24 „ „ 84 „ „ 96 „	...	20 - „
25 „ 28 „ „ 84 „ „ 96 „	...	30/- „
12 „ 26 „ „ 96 „ „ 108 „	...	60/- „
Under 36 inches long or 12 inches wide	...	20/- „
Charcoal	...	160/- „

Flat Sheets are kept in 6 ft lengths *only* by 2, 2 1/2, or 3 feet widths

Other sizes supplied to order *in quantities*.

EXTRAS.—CORRUGATED SHEETS.

16 to 24 gauge, over 84 in. and up to 96 in. long	...	20/- per ton.
25 „ 28 „ „ 72 „ „ 84 „	...	10/- „
16 „ 26 „ „ 96 „ „ 108 „	...	60/- „
16 „ 26 „ 10 3in. or 6 5i . corrugations	...	20 - „
Curving Corrugated Sheets	...	20/- „
Punching „ „ on one side and one end	...	20 - „

5-inch Corrugations never sent unless specially ordered.

Only 3 inch flutes kept in stock.

A Corrugated Sheet, 6 feet long by eight 3 inch flutes wide, *will cover* a space 5 feet 8 inches by 2 feet, after allowing for laps. Other lengths of Sheets in same proportion: that is, 3 to 4 inches to be allowed from the length. No allowance is necessary in the width, as a Sheet with eight 3 inch flutes will cover 2 feet.

The following may be found useful in estimating for Corrugated Roofs:—

	Cwt. qrs. lbs.						
24 Gauge	1	1	14	will cover a square—that is 100 superficial feet			
				of surface—after allowing for laps in fixing.			
22 „	1	2	20	Ditto	ditto	ditto	ditto
20 „	2	0	0	Ditto	ditto	ditto	ditto
18 „	2	2	3	Ditto	ditto	ditto	ditto

And 1 ton Corrugated Iron covers (laps included)—

18	20	22	24	w.g.
780	1000	1250	1540	superficial feet.

These weights may be taken with safety when there is no cutting to waste.

Rivets and Burrs, and Nails and Screws for fixing Corrugated Sheets to wood framing, about 4/- per square.

The assortment of Screws, &c., for putting together, may be as follows:

For each Sheet

Three Cone-head Screws, $2\frac{1}{2}$ in.

Eight Rivets, $\frac{3}{8} \times \frac{1}{4}$, or Bolts and Nuts, $\frac{3}{4} \times \frac{1}{4}$, for 26 w.g., Iron.

„ „ „ „ $\frac{7}{8} \times \frac{5}{16}$, for 24 „

Twelve Washers, $\frac{3}{4}$ in.

Or per ton of 24 w. g.—

Cone-head Screws, $2\frac{1}{2} \times 16$	...	...	...	...	$\frac{1}{2}$ cwt.
Or Conc-head Nails, flat points, $2\frac{1}{2}$ in.	...	...	...	...	$\frac{1}{2}$ „
(With 12 lb. Screws, 3×18 .)					
Rivets, Cone-head, $\frac{3}{8} \times \frac{1}{4}$	...	...	...	...	$\frac{1}{4}$ „
Washers	...	...	...	...	$\frac{1}{4}$ „

NEW LEGAL STANDARD WIRE GAUGE.

Number. B. W. G.	Equivalent in decimals of an inch.	Equivalent in decimals of a metre.	Number. B. W. G.	Equivalent in decimals of an inch.	Equivalent in decimals of a metre.
No. 23	.500	.012700	No. 23	.024	.000610
24	.464	.011785	24	.022	.000559
25	.432	.010973	25	.020	.000508
26	.400	.010160	26	.018	.000457
27	.372	.009449	27	.0164	.0004166
28	.348	.008839	28	.0148	.0003759
29	.324	.008229	29	.0136	.0003344
30	.300	.007620	30	.0124	.0003130
31	.276	.007010	31	.0116	.0002946
32	.252	.006401	32	.0108	.0002743
33	.232	.005893	33	.0100	.0002540
34	.212	.005385	34	.0092	.0002337
35	.192	.004877	35	.0084	.0002134
36	.173	.004470	36	.0076	.0001930
37	.160	.004064	37	.0068	.0001727
38	.144	.003658	38	.0060	.0001524
39	.128	.003251	39	.0052	.0001321
40	.116	.002946	40	.0048	.0001219
41	.104	.002642	41	.0044	.0001118
42	.092	.002337	42	.0040	.0001016
43	.080	.002032	43	.0036	.0000914
44	.072	.001829	44	.0032	.0000813
45	.064	.001626	45	.0028	.0000711
46	.056	.001422	46	.0024	.0000610
47	.048	.001219	47	.0020	.0000508
48	.040	.001016	48	.0016	.0000406
49	.036	.000914	49	.0012	.0000305
50	.032	.000813	50	.0010	.0000254
22	.028	.000711			

SHEET & HOOP IRON STANDARD GAUGE.

B. G.*

Issued by the South Staffordshire Ironmasters Association for the use of Sheet and Hoop Iron Makers, March 1st, 1884.

Parts of Inch.	No. on Gauge.	Thickness.	Parts of Inch.	No. on Gauge.	Thickness.
1	15°	1.000		20	.0392
	14°	0.9583		21	.0349
	13°	.9167	1/32	22	.0312
1/8	12°	.8750		23	.0278
	11°	.8333		24	.0247
	10°	.7917		25	.0220
1/4	9°	.750		26	.0196
	8°	.7083		27	.0174
	7°	.6666	1/16	28	.015625
3/8	6°	.625		29	.0139
	5°	.5833		30	.0123
	4°	.5416		31	.0110
1/2	3°	.500		32	.0098
	2°	.4582		33	.0087
	1°	.3964		34	.0077
	1	.3532		35	.0069
	2	.3147		36	.0061
1	3	.2704		37	.0054
	4	.230		38	.0048
	5	.2225		39	.0043
	6	.1981		40	.00386
	7	.1764		41	.00343
	8	.1570		42	.00306
	9	.1398		43	.00272
1/8	10	.1250		44	.00242
	11	.1113		45	.00215
	12	.991		46	.00192
	13	.882		47	.00170
	14	.785		48	.00152
	15	.699		49	.00135
	16	.625		50	.00120
1/16	17	.556		51	.00107
	18	.493		52	.00095
	19	.440			

* N.B. — It is important that in all transactions in Sheet and Hoop Iron, the Initial letters B.G. should appear, to distinguish the Sheet and Hoop Iron Gauge from the Standard Wire Gauge.

IRON WIRE.

SIZES PER WIRE GAUGE.

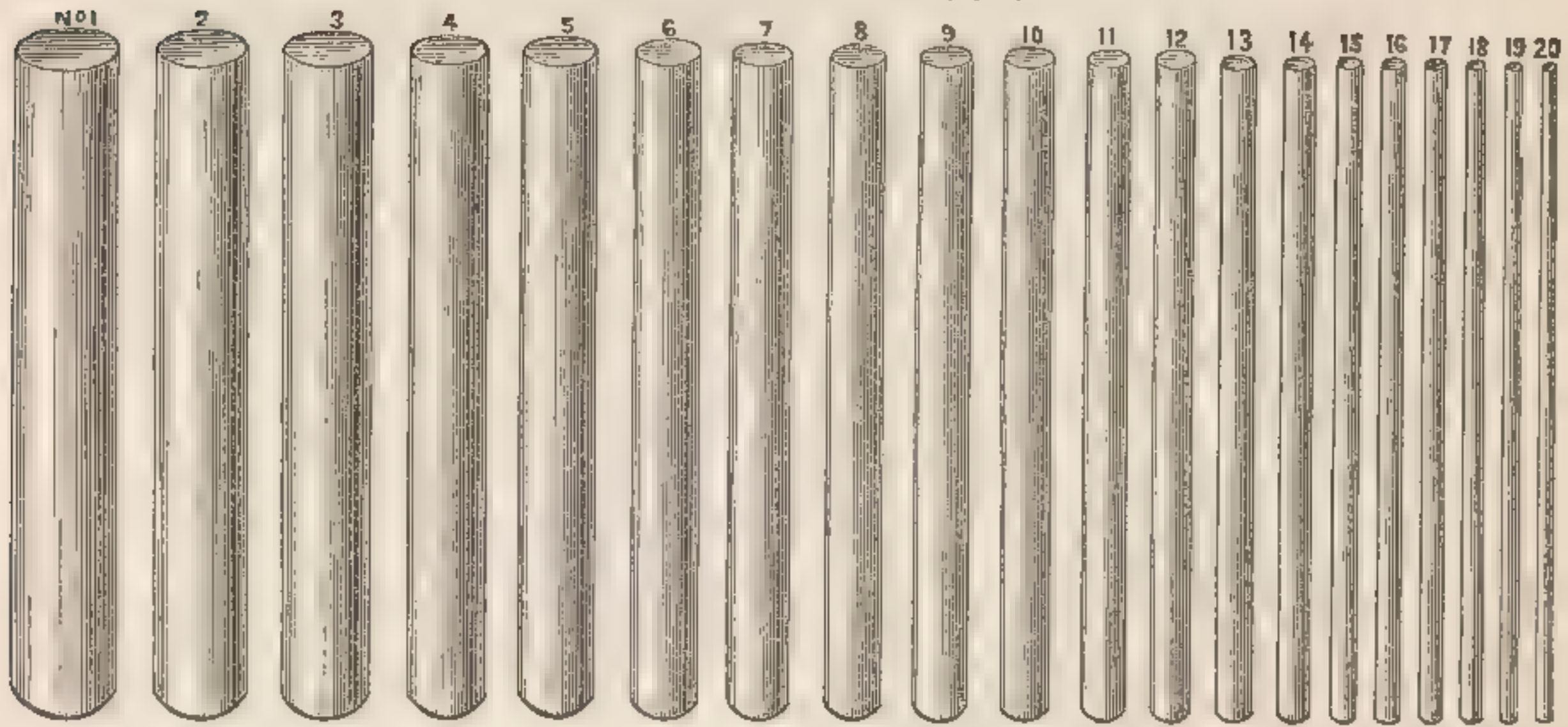


TABLE OF SIZE, WEIGHT, AND LENGTH.

Size on Wire Gauge.	Diameter.		Weight per		Length per	
	Inch.	Millimetre.	100 yards.	Mile.	Bundle.	Cwt.
			lbs.	lbs.	Yards.	Yards.
7/0	$\frac{1}{2}$	12.7	197.5	3477	32	56
6/0	$\frac{15}{32}$	11.9	172.7	3040	36	64
5/0	$\frac{7}{16}$	11.1	153.4	2700	41	72
4/0	$\frac{13}{32}$	10.3	129.7	2283	48	85
3/0	$\frac{3}{8}$	9.5	118.8	2092	53	95
2/0	$\frac{11}{32}$	8.7	100.0	1760	67	120
0	0.320	8.3	83.5	1471	75	134
1	.293	7.6	64.9	1143	97	174
2	.268	7.0	51.2	901	123	219
3	.245	6.4	46.0	809	137	245
4	.227	5.8	38.8	684	162	288
5	.209	5.3	32.6	574	193	344
6	.190	4.9	27.1	478	232	413
7	.176	4.4	23.2	409	271	483
8	.159	4.0	19.1	337	329	586
9	.145	3.7	15.4	271	409	727
10	.127	3.4	12.5	220	503	895
11	.116	3.0	10.0	176	630	1121
12	.104	2.6	8.1	144	767	1365
13	.091	2.3	6.2	110	1004	1785
14	.079	2.0	4.5	80	1380	2454
15	.068	1.8	3.5	62	1769	3146
16	.062	1.5	2.7	49	2231	3967
17	.055	1.3	2.2	39	2779	4942
18	.047	1.2	1.6	29	3829	6808
19	.040	1.0	1.1	21	5287	9400
20	.035	.9	1.0	18	5967	11140
21	.032	.8	.7	13	8578	15250
22	.028	.7	.5	10	10281	18278

IRON WIRE (CONTINUED).

TABLE OF SIZE AND WEIGHT OF BEST DRAWN
ANNEALED GALVANIZED WIRE.

Gauge.	Yards per cwt. about.	Gauge.	Yards per cwt. about.
1	162	12	1241
2	187	13	1589
3	215	14	2031
4	255	15	2608
5	303	16	3473
6	361	17	4515
7	428	18	5600
8	509	19	7246
9	609	20	9168
10	747	21	11,980
11	937	22	16,300

PRICES OF IRON WIRE.

The following List of Prices, ruling at one period of 1876, will serve to show the comparative values of the various kinds of wire specified.

BRIGHT OR ANNEALED.																		
Per Bundle of 63 lbs.											Per Bdl. of 60 lbs.							
Bright or } Annealed }	No.	0 & 6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Best		7/6	7/9	8/-	8/3	8/9	9 -	9/3	9/6	10	10/6	11/3	12 -	12 9	13 6	14 6	15 6	16 6
Best Selected		1/-	per	bundle	ext	ra.												
Best Best ...		2/-	"	"	"	"	"											
Best Charcoal		4/6	"	"	"	"	"											
Best Galvanized		9/9	10/-	10/3	10/9	11/3	11/6	11/9	12/3	13 -	14/-	14/9	16 -	16 9	17 6	20/3	21/3	22/3

BRIGHT OR ANNEALED OR ANNEALED BRIGHT IRON WIRE OF THE BEST CHARCOAL
QUALITY.

23	24	25	26	27	28	29	30	31	32	33	34	35	36	per dozen lbs.
4/4	4/7	4/10	5/-	5/5	5/8	5/11	6/2	6/5	6/11	7/8	8/8	9/11	11/5	

BEST BOTTLING WIRE.

Number	20	21	22	23	24	Cut in lengths.
Iron	-/3 $\frac{3}{4}$	-/4	-/4 $\frac{1}{4}$	-/4 $\frac{1}{2}$	-/4 $\frac{3}{4}$	per lb. nett.
Tinned	-/5	-/5 $\frac{1}{4}$	-/5 $\frac{1}{2}$	-/6	-/6 $\frac{1}{2}$	" " "

PRICES OF IRON WIRE (continued), WITH EXTRAS.

Tinned Wire	0 a 14,	s. d.	6 0	per bundle ex. nett.
" "	15 a 19,		7 0	" "
Coppered Wire			0 9	" "
Square Wire			0 6	" "
Half-Round or Cotter Wire			5 0	" "
Bessemer Steel Wire... ..			1 6	" "
Wire put in $\frac{1}{2}$ -lb. and 1lb. hanks, 2/- per bundle extra nett.				
" $\frac{1}{4}$ -lb. " " 2/6			"	"
" 1-oz. and 2-oz. " 1d.				per lb.
Bagging... ..	Best,	3d.		per bundle extra nett.
Papering	1d.		"	"

PREPARED BRIGHT FENCING WIRE.				
No. 0 to 6	£13	5	0	per ton.
" 7	14	5	0	"
" 8	14	5	0	"

ANNEALED DRAWN FENCING WIRE.				
No. 0 to 6	£11	10	0	per ton.
" 7	12	5	0	"
" 8	13	0	0	"
" 9	13	10	0	"
" 10	14	10	0	"
" 11	15	0	0	"
" 12	15	10	0	"
Dipping in Boiling Oil, 5s. per ton extra.				

BEST BEST DRAWN GALVANIZED TELEGRAPH WIRE, IN 600 YARD LENGTHS AND UPWARDS.				
No. 0 to 6	£17	5	0	per ton.
" 7	18	5	0	"
" 8	18	5	0	"
" 9	19	0	0	"
" 10	19	15	0	"
" 11	20	5	0	"
" 12	21	5	0	"
Charcoal Telegraph Wire... ..				per ton extra.

GALVANIZED FENCING WIRE.				
Rolled.		Drawn.		
No. 1 to 4	£12 15 0	No. 1 to 6	£15 10 0	per ton.
" 5	13 5 0	" 7	16 5 0	"
" 6	13 15 0	" 8	17 0 0	"
		" 9	17 15 0	"
		" 10	18 10 0	"

7 ply. GALVANIZED FENCING STRAND.									
per cwt.	23/3	23/6	24/-	24/6	25/-	27/-	28/-	29/9	31/6
No.	0	1	2	3	4	5	6	7	8

MACHINE-CUT FENCING STAPLES.					
per cwt.	15/-	15/6	16/-
No.	5 and 6	7	8
Galvanized Staples 7/6 per cwt. extra.					
Straining Screws, 15/- each.					

BEST CAST STEEL WIRE, per lb.								
No. 0 to 6	7	8	9	10	11	12	13	
6d.	6d.	6d.	6 $\frac{1}{4}$ d.	6 $\frac{1}{2}$ d.	6 $\frac{3}{4}$ d.	7d.	7 $\frac{1}{4}$ d.	per lb.
No. 14	15	16	17	18	19	20	21	
7 $\frac{1}{2}$ d.	7 $\frac{3}{4}$ d.	8d.	8 $\frac{1}{2}$ d.	9d.	10d.	11d.	1/-	per lb.

BOLTS, NUTS, &c.

The following List of Prices, ruling at one period of 1876, will serve to shew relative values.

All Bolts and Nuts made to WERTH'S Standard Sizes.

BOILTS AND NUTS—SQUARE HEADS AND NUTS, ROUND NECKS.

[illegible][illegible]

COACH AND WAGON BOLTS.—BLACK CUP, CHEESE OR COUNTERSUNK HEADS, SQUARE NECKS AND NUTS.

Length from under head to point.	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
9 in. and upwards	...	...	...	...	...	...	...	per cwt.
6 in. long	24/-	21/-	18/-	17/-	15/-	15/-	15/-	"
4 in. "	26/-	23/-	20/-	19/-	17/-	17/-	17/-	"
3 in. "	27/-	25/-	22/-	20/-	18/6	18/6	18/6	"
2 in. "	29/-	27/-	24/-	21/-	20/-	20/-	20/-	"
Under 2 in. "	...	...	25/-	23/-	21/-	21/-	21/-	"
	...	...	29/-	25/-	23/-	23/-	23/-	"

1 1/4 in.	diameter under 2 in.	long, 3/3 per gross.	2 in.	diameter under 2 in.	long, 6/- per gross.	} Advancing 1/- per in. per gross for every inch. or fraction of an inch over 2 in. long.
5/8	"	"	2 in.	"	7/3 "	
1 1/8	"	4/3 "	"	"	" "	
						If with Hexagon Nuts, 1/- per gross extra.

MACHINE-MADE NUTS.

SIZE OF HOLE.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	inch.
Square Nuts, Untapped	...	17/-	16/-	16/-	16/-	17/-	17/-	19/-	20/-	24/-	24/-	per cwt.
" " Tapped	...	22/-	21/-	21/-	22/-	23/-	23/-	25/-	26/-	30/-	30/-	"
Hexagon Nuts, Untapped	...	22 -	20/-	20/-	20/-	21/-	21/-	22/-	23/-	25 -	28/-	"
" " Tapped	...	29/-	28/-	27/-	26/-	27/-	27/-	28/-	29/-	31/-	34/-	"

Nuts of irregular sizes will be supplied Hand-made and charged extra.

HAND-MADE NUTS.

SIZE OF HOLE.		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	inch.
Square Nuts, Untapped		...	26/-	24/-	24/-	24/-	25/-	25/-	27/-	28/-	28/-	28/-	per cwt.
" " Tapped		...	31/-	29/-	29/-	29/-	31/-	31/-	33/-	34/-	34/-	34/-	"
Hexagon Nuts, Untapped		...	38/-	29/-	29/-	29/-	29/-	29/-	30/-	31/-	31/-	31/-	"
" " Tapped		...	45/-	35/-	35/-	35/-	35/-	35/-	36/-	37/-	37/-	37/-	"
							</						

Nuts of irregular sizes charged extra.

MACHINE-SET SCREWS.—SQUARE HEADS.

LENGTH.	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{7}{16}$	inch.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
Up to and including 1 in.	per gross.	37/-	34/-	...	...	...	per cwt.
Above 1 in. up to and including $1\frac{1}{2}$ in.	...	3/6	4/9	5/9	6/9	"	34/-	31/-	29/-	...	...	"
Above $1\frac{1}{2}$ in. "	...	4/-	5/6	7/9	8/9	"	32/-	29/-	27/-	27/-	27/-	"
Above 2 in. "	...	4/6	5/-	7/-	8/9	"	30/-	27/-	25/-	25/-	25/-	"
Extra for Hexagon Heads	1/-	1/-	1/-	1/-	1/-	"

All intermediate sizes above $\frac{1}{2}$ in. will be charged same price as the immediately preceding size—thus: $\frac{9}{16}$ same price as $\frac{1}{2}$ in., $\frac{11}{16}$ same price as $\frac{5}{8}$ in., &c.

BOLT ENDS.

With Square Nuts	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	inch.
" Hexagon Nuts	22 6	21 6	17 -	15/-	14 -	14 -	14/-	14/-	14/-	15/-	15 -	per cwt.
	26/-	25 -	19 -	17/-	16/-	16/-	16 -	16/-	16/-	17/-	17 -	"

HAND-MADE RIVETS.

	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
Best Hand-made	26 6	22 6	20 6	19 6	17 6	17 -	16 6	16 -	15 6	15 6	15 -	per cwt.
Best Best ditto	...	...	...	...	...	1/- per cwt. extra.	...	...	...	...	...	...

MACHINE-MADE RIVETS.

Best Machine made	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.	In Birmingham, in quantities of not less than 2 tons.	WASHERS.
Best Best ditto	12 6	11 6	11/-	10 6	per cwt.	...	WEIGHTY WASHERS ... 15 - per cwt.
	...	...	1/- per cwt. extra.	...	...	...	...

Carriage paid on quantities of 4 cwt. and upwards.

HEADS AND NUTS FOR BOLTS,

PROPORTIONAL SIZES AND WEIGHTS.

Diameter of bolt.	Breadth of head and nut over sides.	Breadth of head and nut over angles.	Thickness of head.	Thickness of nut.	Weight of		
					Hexagon head & nut	Square head and nut	Rose head and nut
					will equal that of rod iron of the same diameter as the bolt, and of following lengths.		
Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
$\frac{1}{4}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{32}$	$\frac{5}{16}$	$1\frac{1}{4}$	$1\frac{1}{2}$	1
$\frac{3}{8}$	$\frac{13}{16}$	$\frac{15}{16}$	$\frac{5}{16}$	$\frac{7}{16}$	$1\frac{7}{8}$	$2\frac{1}{4}$	$1\frac{1}{2}$
$\frac{1}{2}$	1	$1\frac{1}{8}$	$\frac{7}{16}$	$\frac{9}{16}$	$2\frac{1}{2}$	3	2
$\frac{5}{8}$	$1\frac{3}{16}$	$1\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$3\frac{1}{8}$	$3\frac{3}{4}$	$2\frac{1}{2}$
$\frac{3}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$\frac{5}{8}$	$\frac{7}{8}$	$3\frac{3}{4}$	$4\frac{1}{2}$	3
$\frac{7}{8}$	$1\frac{9}{16}$	$1\frac{13}{16}$	$\frac{11}{16}$	1	$4\frac{3}{8}$	$5\frac{1}{4}$	$3\frac{1}{2}$
1	$1\frac{3}{4}$	2	$\frac{3}{4}$	$1\frac{1}{8}$	5	6	4
$1\frac{1}{8}$	$1\frac{15}{16}$	$2\frac{1}{4}$	$\frac{13}{16}$	$1\frac{1}{4}$	$5\frac{5}{8}$	$6\frac{3}{4}$	$4\frac{1}{2}$
$1\frac{1}{4}$	$2\frac{1}{8}$	$2\frac{7}{16}$	$\frac{7}{8}$	$1\frac{7}{16}$	$6\frac{1}{4}$	$7\frac{1}{2}$	5
$1\frac{3}{8}$	$2\frac{5}{16}$	$2\frac{11}{16}$	1	$1\frac{9}{16}$	$6\frac{7}{8}$	$8\frac{1}{4}$	$5\frac{1}{2}$
$1\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{11}{16}$	$7\frac{1}{2}$	9	6
$1\frac{5}{8}$	$2\frac{11}{16}$	$3\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{13}{16}$	$8\frac{1}{8}$	$9\frac{3}{4}$	$6\frac{1}{2}$
$1\frac{3}{4}$	$2\frac{7}{8}$	$3\frac{5}{16}$	$1\frac{3}{8}$	2	$8\frac{3}{4}$	$10\frac{1}{2}$	7
$1\frac{7}{8}$	$3\frac{1}{16}$	$3\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{8}$	$9\frac{3}{8}$	$11\frac{1}{4}$	$7\frac{1}{2}$
2	$3\frac{1}{4}$	$3\frac{3}{4}$	$1\frac{5}{8}$	$2\frac{1}{4}$	10	12	8
$2\frac{1}{4}$	$3\frac{5}{8}$	$4\frac{3}{16}$	$1\frac{11}{16}$	$2\frac{1}{2}$	$11\frac{1}{4}$	$13\frac{1}{2}$	9
$2\frac{1}{2}$	4	$4\frac{3}{8}$	$1\frac{3}{4}$	$2\frac{3}{4}$	$12\frac{1}{2}$	15	10

MACHINE-MADE IRON WASHERS,

CUT FROM NEW IRON, UNIFORM IN THICKNESS AND SIZE.

Size.	Outside Diameter.	Diameter of Hole.	No. 14 W.G.	No. 12 W.G.	No. 10 W.G.	No. 8 W.G.	No. 6 W.G.
N.			Gross.	Gross.	Gross.	Gross.	Gross.
00	$\frac{3}{8}$	$\frac{1}{16}$	5.6	...	...	...	...
0	$\frac{1}{2}$	$\frac{1}{4}$	6	7	...	...	...
1	$\frac{5}{8}$	$\frac{1}{8}$	6.6	7	8	...	...
2	$\frac{3}{4}$	$\frac{3}{8}$	7.7	8	10	11	...
3	$\frac{7}{8}$	$\frac{1}{2}$	9	11	11	13	16
4	1	$\frac{1}{2}$	11	13	13	16	19
5	1 $\frac{1}{8}$	$\frac{3}{4}$	11	13	16	19	22
6	1 $\frac{1}{4}$	$\frac{7}{8}$	14	17	19	23	28
7	1 $\frac{3}{8}$	1	18	21	24	29	34
8	1 $\frac{1}{2}$	1 $\frac{1}{8}$	21	25	29	34	41
9	1 $\frac{3}{4}$	1 $\frac{1}{4}$	25	29	35	41	49
10	1 $\frac{7}{8}$	1 $\frac{3}{8}$	29	35	41	...	49
11	1 $\frac{7}{8}$	1 $\frac{3}{8}$	35	41	...	...	49
12	2	1 $\frac{1}{2}$	...	49	57	68	8
13	2	1 $\frac{1}{2}$	47	55	65	76	92
14	2 $\frac{1}{8}$	1 $\frac{5}{8}$	52	62	72	87	104
15	2 $\frac{1}{4}$	1 $\frac{7}{8}$	59	69	81	97	116
16	2 $\frac{3}{8}$	1 $\frac{7}{8}$	64	77	89	106	128
17	2 $\frac{3}{8}$	1 $\frac{7}{8}$	71	83	98	116	139
18	2 $\frac{7}{8}$	2	79	91	106	126	151
19	2 $\frac{7}{8}$	1 $\frac{7}{8}$	85	98	114	135	161
20	3	2 $\frac{1}{4}$	88	102	122	146	174
21	3	2 $\frac{1}{4}$	94	112	134	159	188
22	3 $\frac{1}{8}$	2 $\frac{3}{8}$	105	124	147	176	211

Discount, per cent.

10

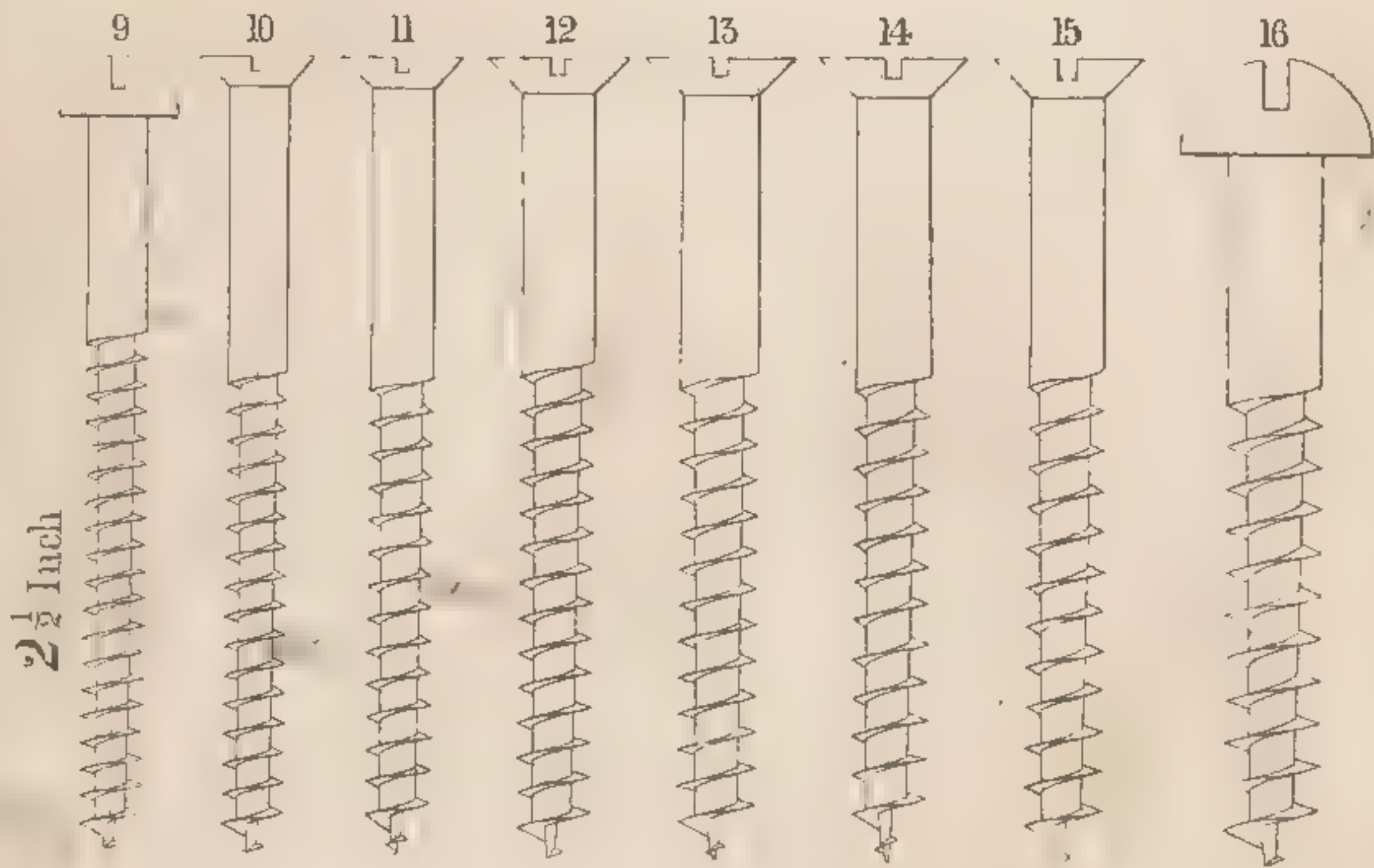
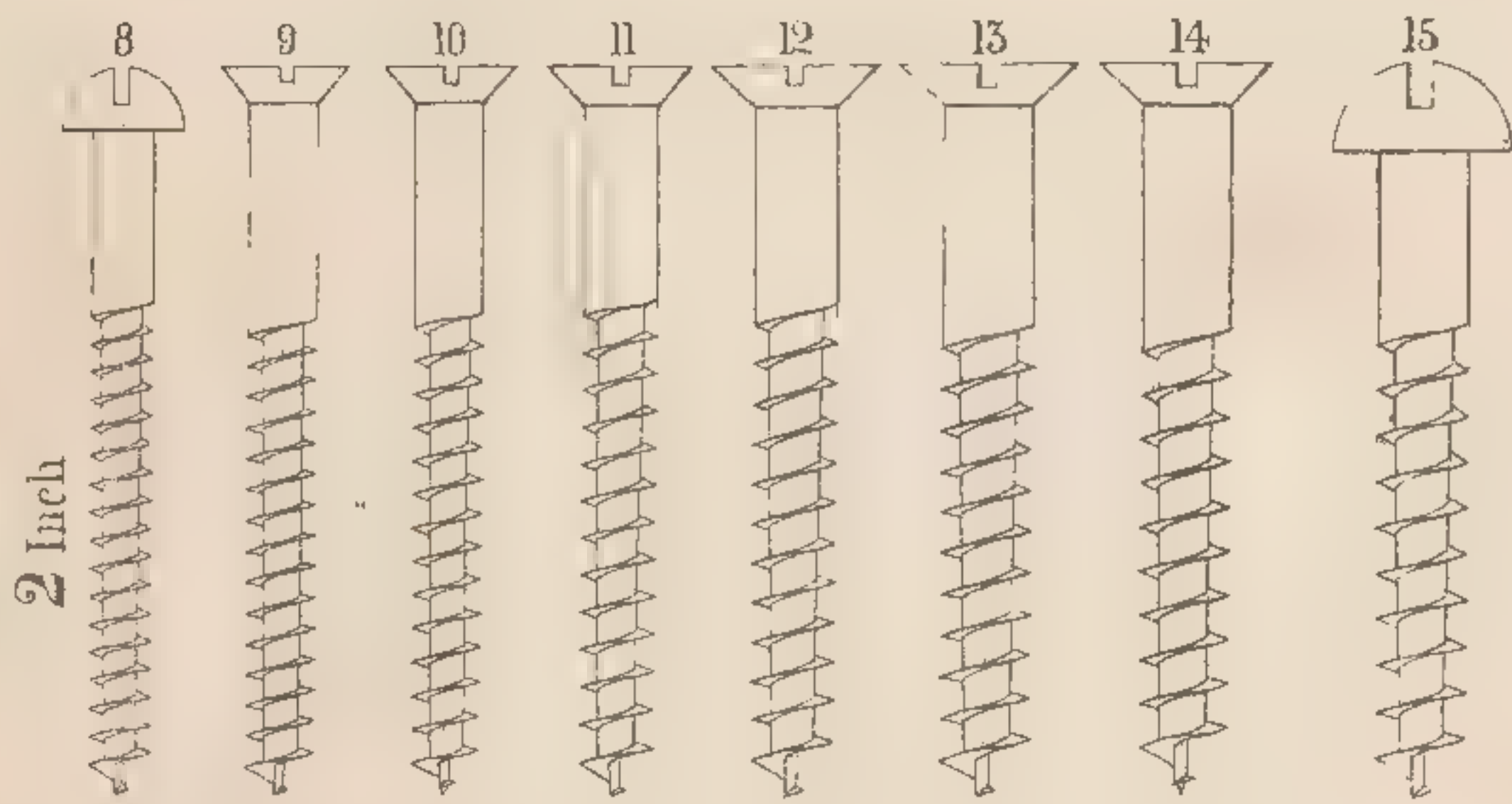
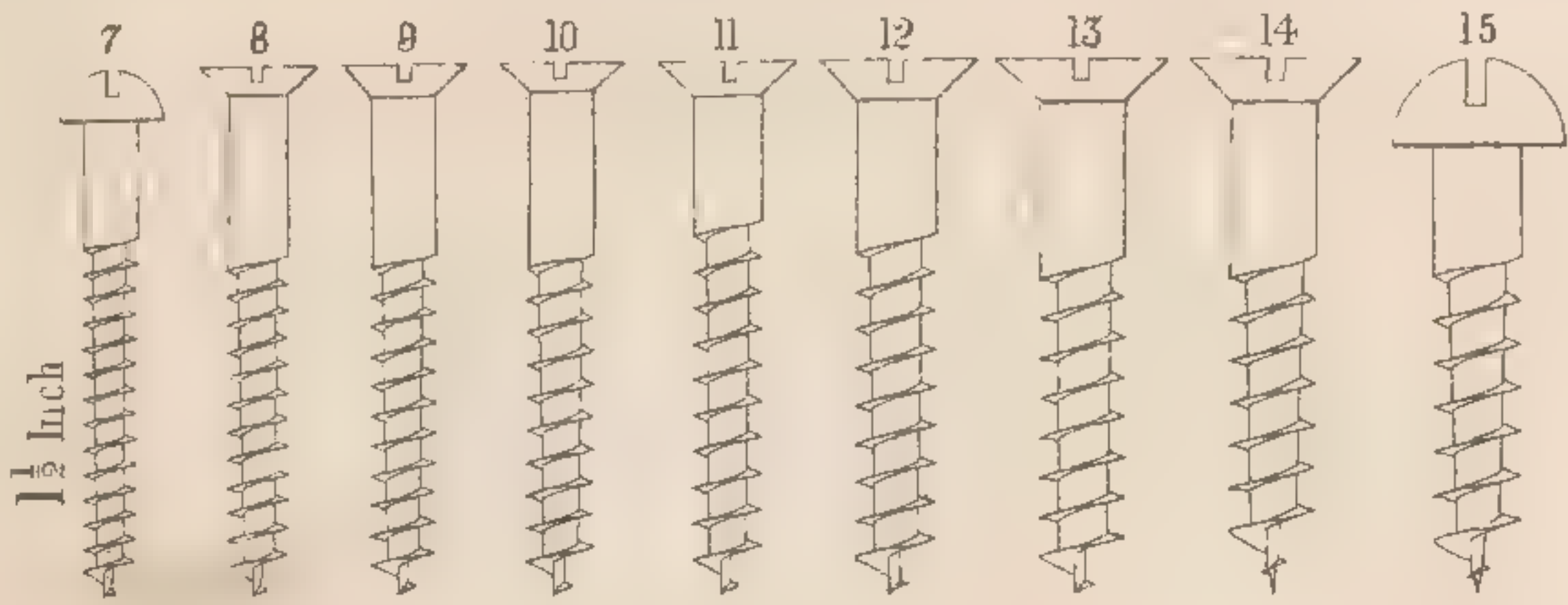
Discount,

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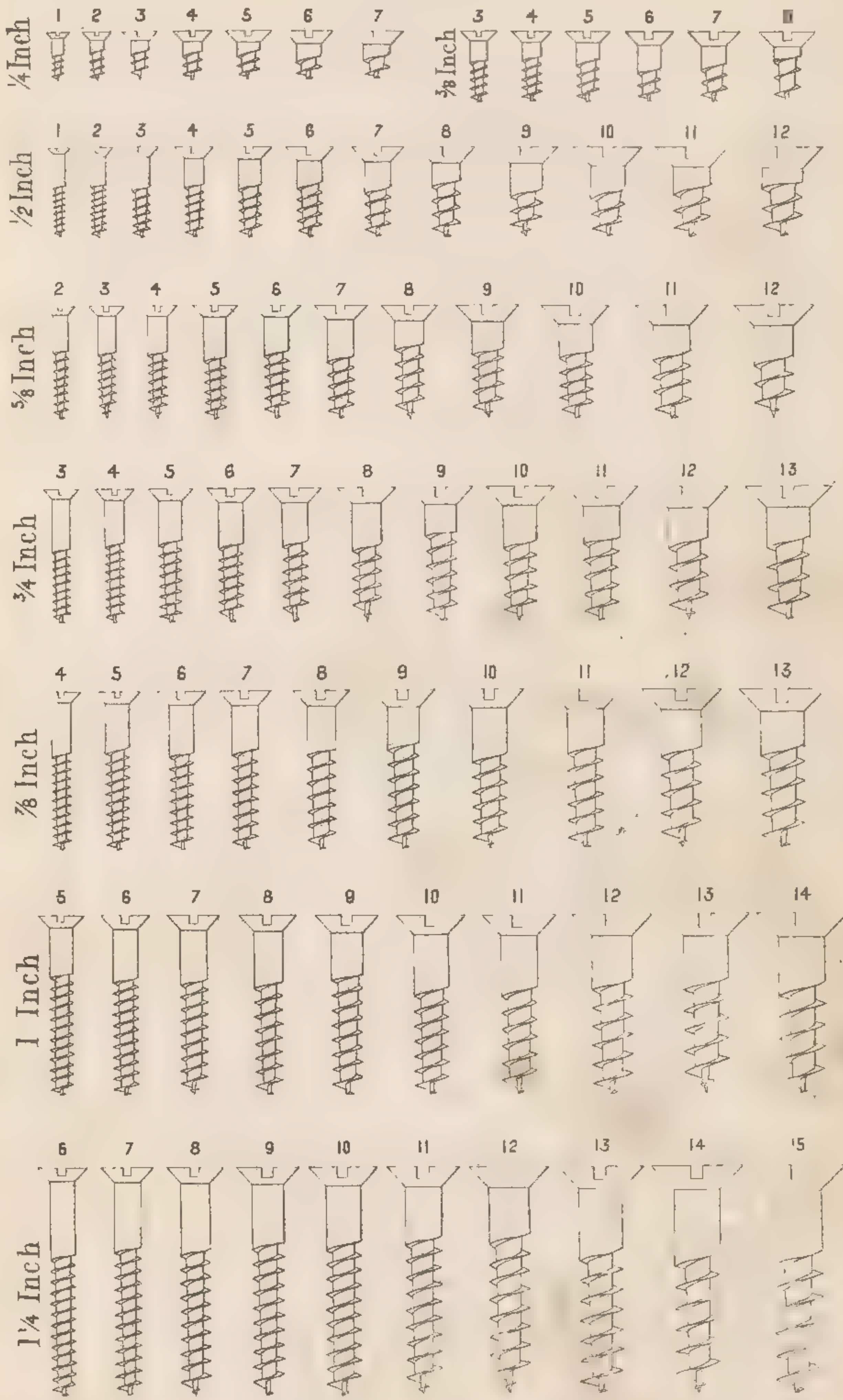
Pink Pearl Round Heads—No greater than Lat. Jap'd Round Heads or Flat Heads two sizes thicker,
and Sizes 9 to 30 inclusive, dressed to 8 per gross, net. A large size, 1 per inch per gross, net.



SCREWS.



SCREWS





PRICE LIST
OF THE
IMPROVED PATENT BRASS AND COPPER SCREWS.

Discount,

1/2 Inch.		3/4 Inch.		1 Inch.		1 1/4 Inch.		1 1/2 Inch.	
No.	Per Gross, d.	No.	Per Gross, d.	No.	Per Gross, d.	No.	Per Gross, d.	No.	Per Gross, d.
1	1 0	1	1 8	1	1 6	1	2 0	1	2 2
5	1 0	5	1 4	5	2 0	5	2 4	5	2 6
6	1 0	6	2 0	6	2 2	6	2 8	6	3 0
7	2 0	7	2 2	7	2 8	7	3 2	7	3 4
8	2 0	8	2 8	8	3 0	8	3 6	8	3 8
9	2 0	9	3 0	9	3 2	9	3 8	9	4 0
10	2 4	10	3 4	10	3 6	10	4 2	10	4 4
11	2 4	11	3 8	11	4 0	11	4 6	11	4 8
12	2 8	12	4 0	12	4 2	12	4 8	12	5 0
		13	4 2	13	4 4	13	5 0	13	5 2
		14	4 4	14	4 6	14	5 2	14	5 4
		15	4 6	15	4 8	15	5 4	15	5 6
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		17	5 0	17	5 2	17	5 8	17	6 0
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		40	9 6	40	9 8	40	10 4	40	10 6
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		42	10 0	42	10 2	42	10 8	42	11 0
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		44	10 4	44	10 6	44	11 2	44	11 4
		45	10 6	45	10 8	45	11 4	45	11 6
		46	10 8	46	11 0	46	11 6	46	11 8
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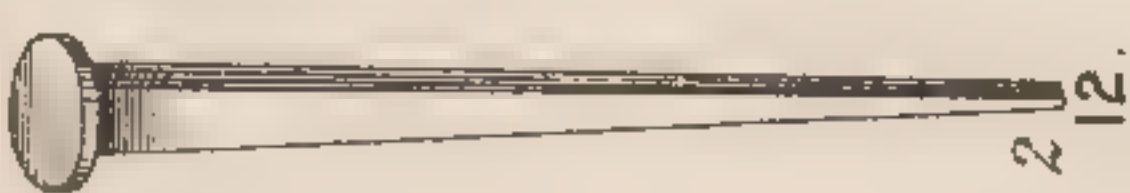
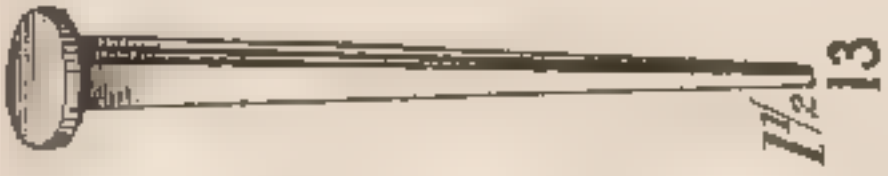
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117	111														

PRICE LIST OF WROUGHT NAILS.

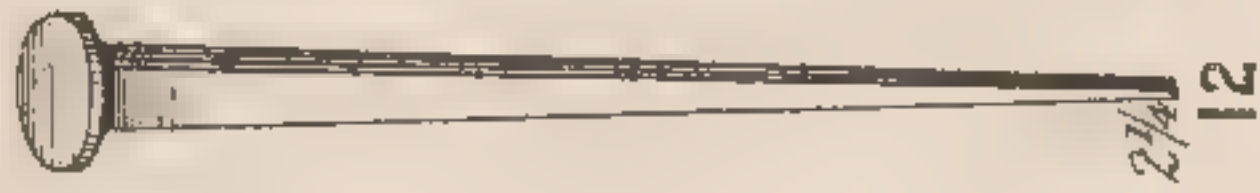


CUT NAILS.

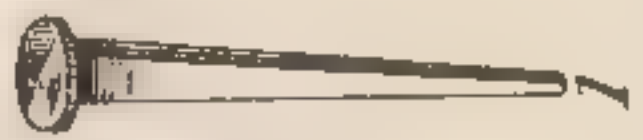
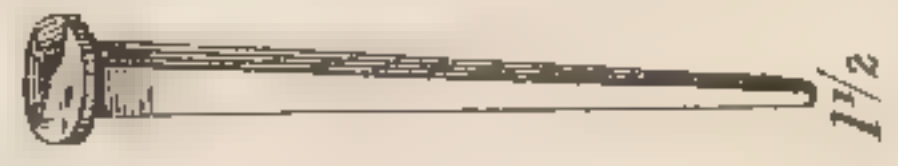
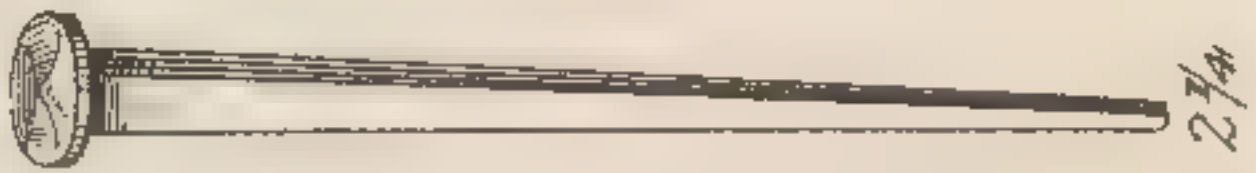
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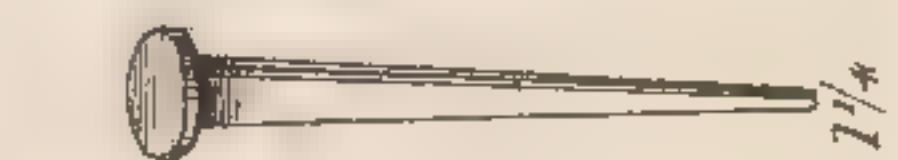
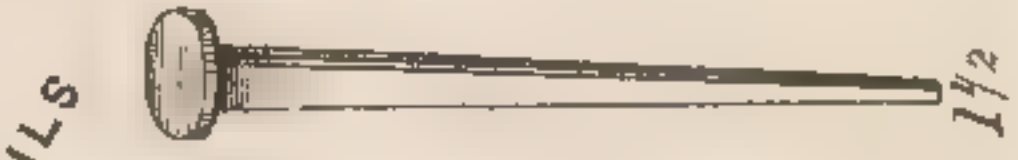
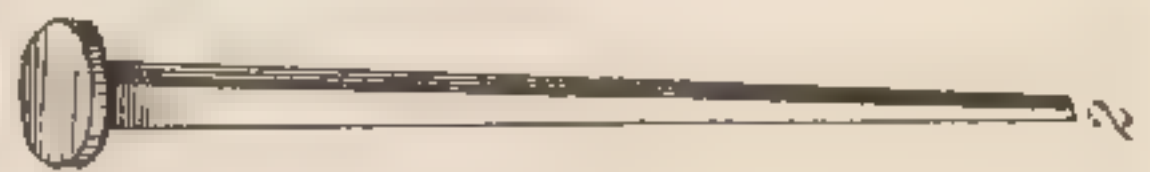
NAILS



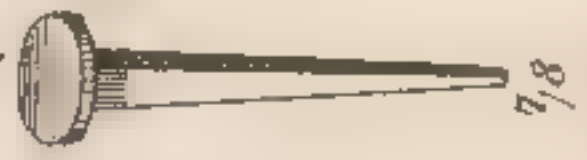
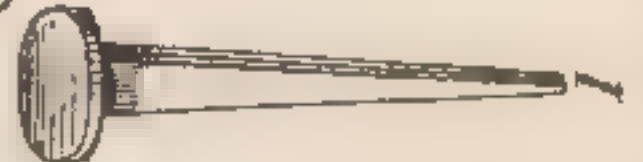
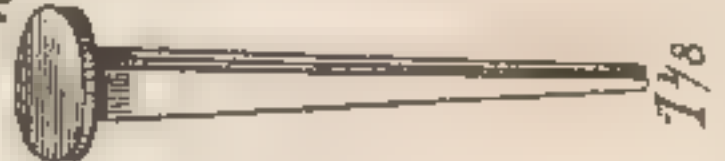
ROSE NAILS



Box NAILS

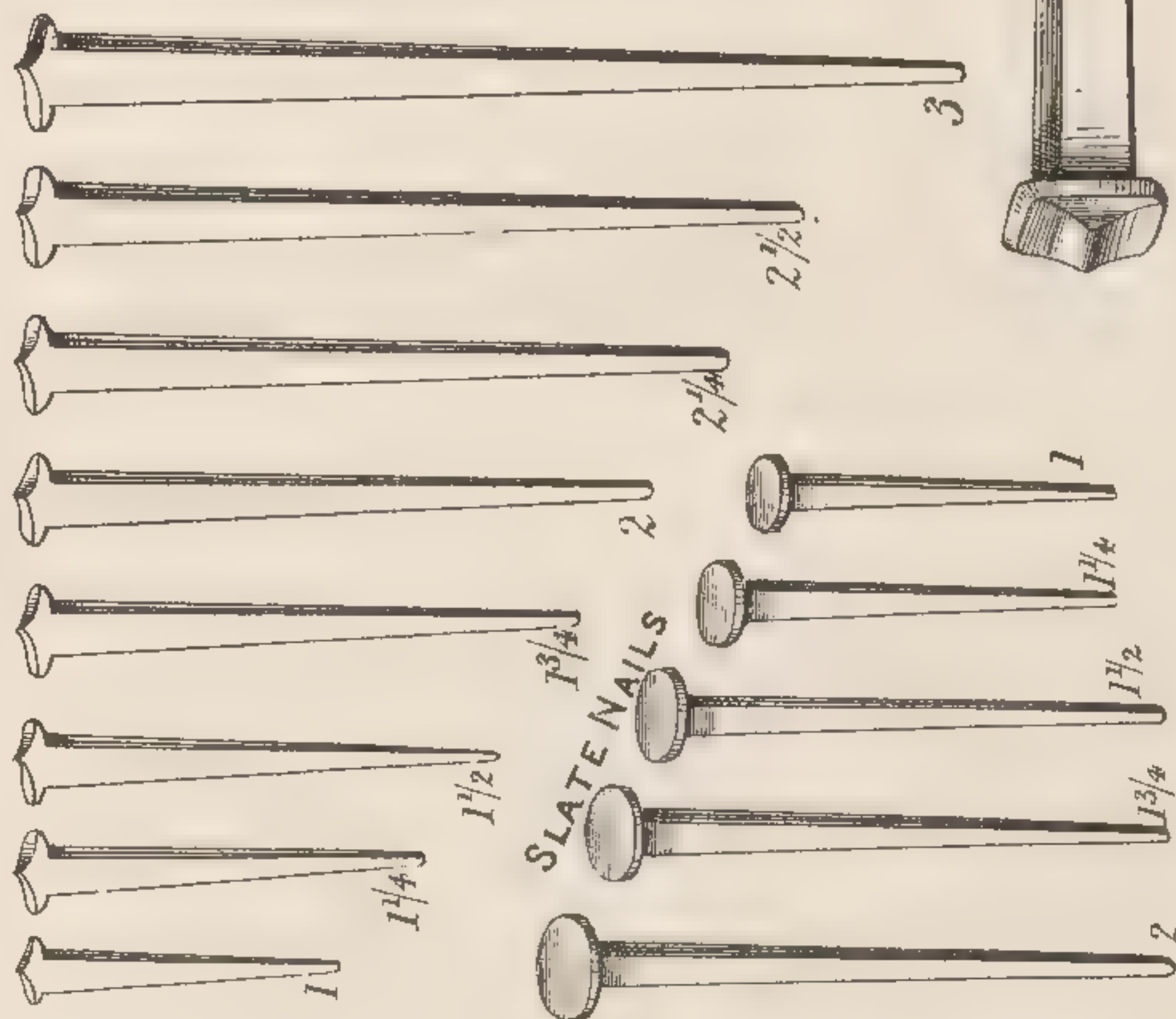


SACKING OR HOOPING CLOUT

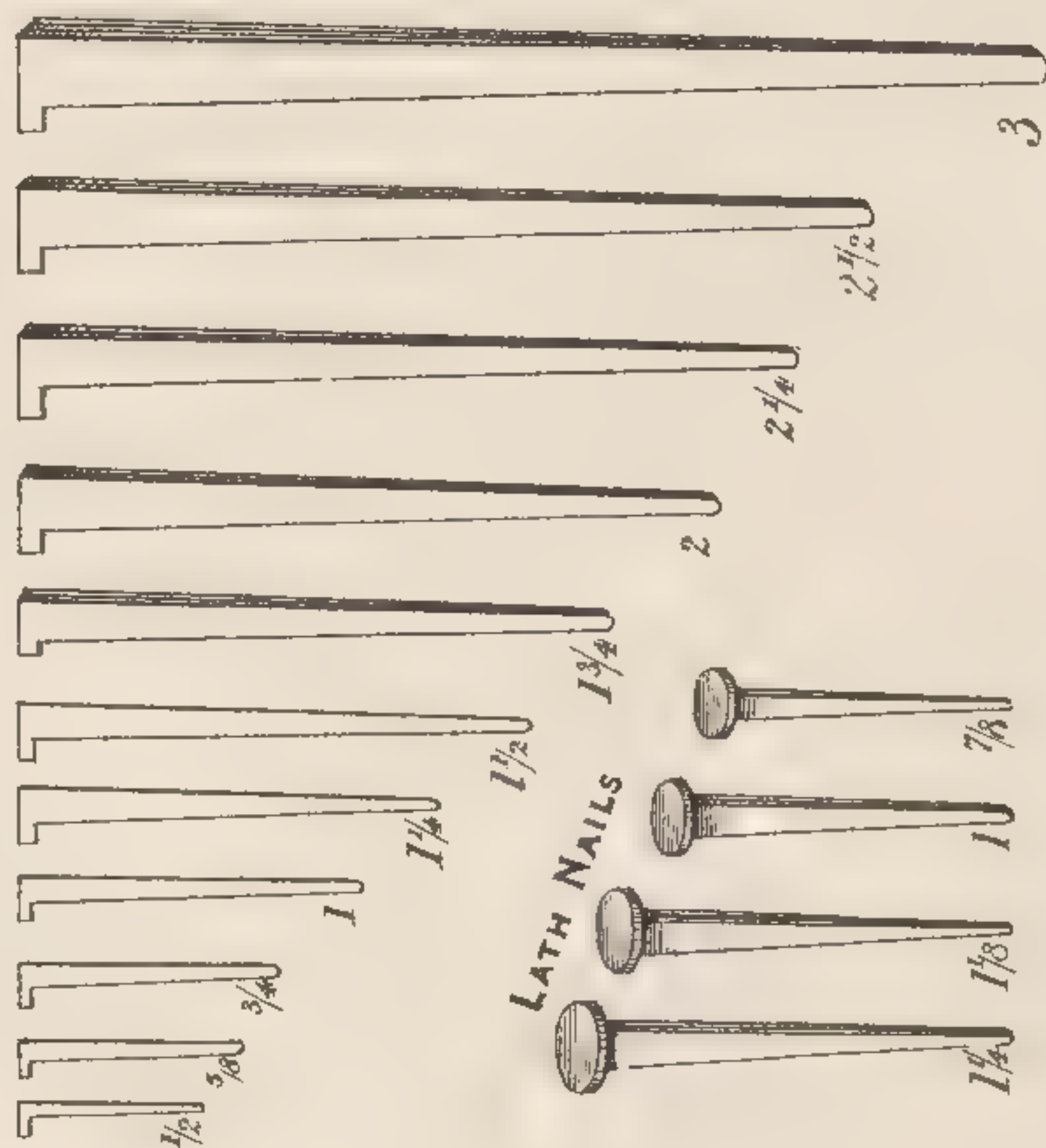


CUT NAILS

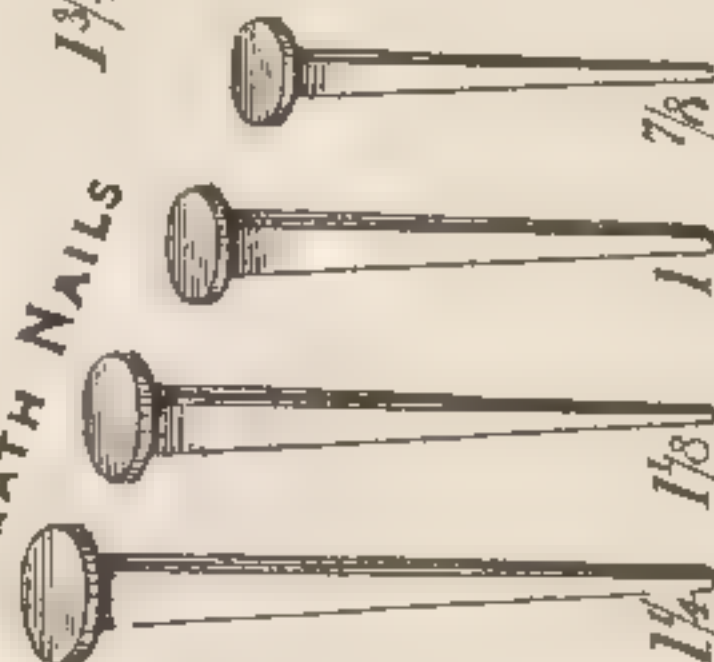
CLASP NAILS



JOINERS & FLOOR BRADS



LATH NAILS



4 CLASP



6 ROSE





WROUGHT NAILS—continued.

Round Heads.	Forest and Hurdle.	Fine Tray or Fine Gate.	Lap 1 - more than rose.	Best Rose, &c., continued.
8 oz. ... 0 11 $\frac{1}{2}$	10 lb.			
3 ... 1 0 $\frac{1}{2}$	12			
Sash Sprigs.				
1 lb. ... 0 7	Fine 6d. more.	Best 11 d. nett.		Larger... 26
Glaziers.	Kent Hurdle.	Best Town Clout.		Chisel Hurdle.
1 lb. ... 0 0	12 7 4 3			
	1 1 5 8			
		8 ... 3 6	Best Rose or Sample.	
Dog Nails.		10 ... 4 2		
		12 ... 4 10		
	Fine Essex Hurdle.	16 ... 6 2		
9 lb. ... 3 1	2 in. ... 42 0	20 ... 7 9		
10 ... 3 0	2 $\frac{1}{2}$... 38 0	24 ... 8 11		
16 ... 5 0	3 ... 37 0	Sample ... 0		
21 ... 7 0	Best Iron 1 - ex. nett.	Fine 6d. extra.		
26 ... 8 0				
Larger ... 31 6				

BROMSGROVE NAILS, TACKS, &c.

Rose and Flemish Tacks.	Fine Flemish.	Best Clout.	Fine Clout.	Best Fine 1 $\frac{1}{2}$ d. extra.	Ex. Fine Battin.
2 ... 0 8 $\frac{3}{4}$	2 oz. } 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$ lb. ... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$ lb. ... 1 4 $\frac{1}{2}$		
4 ... 0 8 $\frac{3}{4}$	4 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
6 ... 0 8 $\frac{3}{4}$	6 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
8 ... 0 8 $\frac{3}{4}$	8 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
10 ... 0 8 $\frac{3}{4}$	10 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
12 ... 0 8 $\frac{3}{4}$	12 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
14 ... 0 8 $\frac{3}{4}$	14 ... 0 11 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$	1 $\frac{1}{2}$... 1 4 $\frac{1}{2}$		
	Best Fine 1 $\frac{1}{2}$ d. extra.	4 ... 2 0 $\frac{1}{2}$	Best Fine 1 $\frac{1}{2}$ d. ex.		
		6 ... 2 7			
		7 ... 2 7			
	Fine Brush.	8 ... 3 0	Ex. Fine Battin.		
	1 $\frac{1}{2}$ lb. ... 1 0	9 ... 3 0	3 $\frac{1}{2}$ oz. 1 $\frac{1}{2}$ in. 1 1		
	1 ... 1 0	10 ... 3 10	12 ... 1 1		
	1 ... 1 0		16 ... 1 1		
	1 ... 1 0		18 lb. 1 $\frac{1}{2}$... 1 10		
	1 ... 1 0		24 ... 2 2		
	1 ... 1 0		3 $\frac{1}{2}$... 2 2		
	Best Char. 2d. ex.	B. Best 1 $\frac{1}{2}$ d. extra.			

DERBY NAILS.

Best Best Derby Countersunk Clout, Dub Deep, or Wheeler's Clout.

29	211	31	35	39	40 $\frac{1}{2}$	44	49	52	59	64
3	4	5	6	7	8	9	10	12	14	16

Best Best Fine Essex Hurdle.	56	68	80	96	1
	2-2	2-2	2-2	2-2	28-3in.

Best Best Countersunk S Horse.

511	65	69	73	79	83	87
7	8	9	10	11	12	13

Rose 3d. less.

Patent Swedish Superfine Countersunk S Horse.

PRICE LIST OF PATENT WROUGHT NAILS.

STRONG ROSE. FLAT POINTS.

11 in.	6 lbs.	2 0½ p M.
11 ½ "	7 "	2 3 "
12 "	8 "	2 5½ "
13 "	10 "	2 10½ "
14 "	12 "	3 3½ "
15 "	17 "	4 3½ "
16 "	20 "	4 11 "
17 "	23 "	5 8 "
18 "	25 "	5 1 "
19 "	Heavy	20 6 p cwt.
20 "	"	23 0 "
21 "	"	22 6 "
22 "	"	22 0 "
23 "	"	22 0 "

FINE CLASP. SHARP POINTS.

11 in.	4 lbs.	2 1 p M.
11 ½ "	5 "	2 3 "
12 "	6 "	2 5½ "
13 "	8 "	2 10½ "
14 "	10 "	3 3½ "
15 "	12 "	3 3½ "
16 "	17 "	4 3½ "
17 "	20 "	4 11 "
18 "	23 "	5 8 "
19 "	25 "	5 1 "
20 "	Heavy	20 6 p cwt.
21 "	"	23 0 "
22 "	"	22 6 "
23 "	"	22 0 "
24 "	"	22 0 "

BEST FINE CANADA, SHARP POINTS.

11 in.	4 lbs.	2 0 p M.
11 ½ "	5 "	2 3 "
12 "	6 "	2 5½ "
13 "	8 "	2 10½ "
14 "	10 "	3 3½ "
15 "	12 "	3 3½ "
16 "	17 "	4 3½ "
17 "	20 "	4 11 "
18 "	23 "	5 8 "
19 "	25 "	5 1 "
20 "	Heavy	20 6 p cwt.
21 "	"	23 0 "
22 "	"	22 6 "
23 "	"	22 0 "
24 "	"	22 0 "

FINE ROSE. FLAT POINTS.

11 in.	2½ lbs.	1 1 p M.
11 ½ "	3 "	1 3 "
12 "	4 "	1 11 "
13 "	5 "	2 2 "
14 "	7 "	2 8 "
15 "	8 "	2 11 "
16 "	10 "	3 1 "
17 "	12 "	3 4 "
18 "	14 "	3 10 "
19 "	16 "	3 3 "
20 "	18 "	3 7 "
21 "	20 "	4 0 "
22 "	22 "	4 3 "
23 "	24 "	4 6 "
24 "	26 "	4 9 "

POUND NAILS.

6 dy.	2½ in.	28 "
8 "	2 ¾ "	27 "
10 "	3 "	24 "
20 "	4 "	20 "

BEST ROSE OR COOPERS' SHARP POINTS.

11 in.	7 lbs.	2 4 p M.
11 ½ "	8 "	2 7 "
12 "	10 "	3 0 "
13 "	12 "	3 3½ "
14 "	14 "	3 7 "
15 "	16 "	3 10 "
16 "	18 "	4 3 "
17 "	20 "	4 6 "
18 "	22 "	4 9 "
19 "	24 "	5 2 "

BOX NAILS.

11 in.	10 lbs.	3 0 M.
--------	---------	--------

Discount

2 cent. off Nails p M.

Ditto

" " p cwt.

PRICE LIST OF CUT NAILS, TACKS, &c.

										COPPER SLATE.			
										1 1/2 in. and above			
										per lb.			
										ZINC TACKS AND SLATE.			
										per cwt.			
										1 1/2 in. and above.			
LATH NAILS.										TIP NAILS.			
per cwt.										per cwt.			
1 in. and above.										1 in. and above.			
If 2lbs. 1 - extra.													
FLOOR BRADS.										NAILS GALVANIZED.			
per cwt.										1 1/2 in. and upwards 10 - per cwt. extra.			
										Smaller sizes at special prices.			
2 1/2 in. and above.										Brass Joiners' 1/2			
FINE AND STRONG JOINERS' AND MOULDERS' BRADS.										Copper Joiners' 1/2			
per cwt.										Brass Balls, all sizes			
2 in.										Copper " " "			
per cwt.										Zinc " " "			
2 1/2 in. and above.										COPPER TACKS.			
										per lb.			
FINE FLEMISH TACKS.										1 in.			
per cwt.										FINE CUT FLEMISH TACKS			
2 in.										Discount 1/2 M.			
8 10 12 14 16 oz.										Size. Weight. Blue. Tinned.			
If Tinned										per cwt. extra.			
STRONG IMPROVED TACKS.										JOINERS' BRADS.			
per cwt.										Discount 1/2 M.			
1/2 in.										Size. Fine. Strong.			
If Tinned										per cwt. extra.			
SACKING NAILS.										per cwt.			
1 in. and above										STRONG CUT FLEMISH TACKS.			
										Discount 1/2 M.			
JAPANNED CLOG OR COFFIN PINS.										Size. Weight. Blue. Tinned.			
per lb.										per lb.			
1/2 in.										1 in. 4 oz.			
If Tinned										per lb. extra.			
If Lacquered										per lb. extra.			
PATTEN NAILS, ROUND OR FLAT.										FINE PATTEN. 1/2 M.			
per cwt.										Length. Weight.			
1 1/2 in.										1 1/2 in.			
IRON LASTING TACKS.										EXTRA STRONG IMPROVED CUT TACKS.			
per cwt.										Discount 1/2 M.			
2 1/2 oz.										Size. Weight. Blue. Tinned.			
FLAT HEAD, JAPANNED GIMP.										STRONG PATTEN.			
per lb.										Length. Weight.			
1/2 in.										1 1/2 in.			
10 oz.										1 1/2 lb.			
										Round Heads, same price.			
										Tinned 1/2 M. extra.			

PRICE LIST OF CAST NAILS.

Discount	%	COFFIN NAILS—per M.									
No.	1	2	3	4	5	6	7	8	9	10	11
Black ...	4 6	4 0	3 6	3 0	2 10	2 7	2 1	1 9	1 5	1 0	0 6
White ...	5 0	4 6	3 9	3 3	3 0	2 9	2 3	1 10	1 6	1 0	0 6
Lacquered ...	5 6	5 0	4 5	3 9	3 1	3 0	2 6	2 0	1 8	1 2	0 6
Gilt ...	6 0	5 6	4 9	4 3	4 0	3 9	3 3	2 10	1 12	1 6	0 6

COFFIN BULLEN—per M.				COFFIN PINS—per lb.			
Discount	%	3 dy.	4 dy.	Discount	%	3 dy.	4 dy.
Black ...	...	2/-	2/4	Black ...	-/8	Lacquered ...	-/10
White ...	...	2/3	2/10	White ...	-/8	Gilt ...	1, 4

PATENT MALLEABLE TACKS, Flat and Round Heads.									
Discount	%	8	13	12	14	16	20	24	oz.
Tinned or Japanned...	-/5	-/6	-/7	-/8	-/9	-/11	-/11	-/11	1 1
Black ...	...	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1

Discount	%	TRUNK BULLENS.			
		1 1/4	1 1/2	1 3/4	2 lbs.
Common Tinned or Japanned ...	-/10	1 1/4	1 1/2	1 3/4	1 1/2
Malleable Tinned or Japanned ...	-/11	1 1/4	1 1/2	1 3/4	1 1/2

Discount	%	MALLEABLE TINNED TENTER HOOKS.						
		1 1/2	2	3	4	5	6	7 lbs.
Tinned ...	1/6	2	2 6	3 1	3 3	4	4 8	4 8
Black ...	1/4	1 10	2 3	2 8	3 1	4	4 8	4 8

MALLEABLE SHOE HOES.									
Flat Flat, Clasp, Square, Round, Square, and Oval.									
No. 0.	1,	2,	3,	4,	5,	per cwt. nett.			
	1	1 1/2	2	3	4	lbs.			
Bright Nuggets ...	1 6	3 8	5 6	7 1/2	9 1/2	3/4 in. Shank.			
Round Hobs, No. 0	1	2	3	4	5				

MALLEABLE SLATING NAILS, 1 1/2 to 2 1/2 in.	per cwt. nett.
CLASP AND SACKING NAILS, 1 1/2 to 3 in.	per cwt. nett.
MALLEABLE MOULDERS' NAILS AND CHAPLETS, 1 1/2 to 10 in.	per cwt. nett.

CARPET NAILS.									
Tinned ...	3/4	7/8	1	1 1/4	1 1/2 in.	Lacquered.			

HARD SHOE SPRIGS.									
	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2 in.	per cwt. nett.

PRICES OF BRASS CHAIR AND TRUNK NAILS.

HIGH-LACQUERED TRUNK NAILS.					CONICAL.		SILVERED NAILS.								
Larger 7 4/- 8 4 6 9 5/- 10 5/6 2nd quality 3d. less.					61 I 15/-	61 I 15/-	61 2/-	62 2 3/6	63 2/6	64 2 9/6	65 3 6/6				
No. 1 2/-	2 2/3	3 2/6	4 2 9/6	5 3/-	6 3 6/6	258 4 6/6	259 5/6	260 7/-	261 8/6	C61 9 6/6	67 4/-	69 5/-	70 5/6	71 6/6	72 7 6/6
Best Burnished Gold Colour Nail					Larger Size		161 12	162 14	163 16	164 20	and Larger.				
01 or 115	02 146 2/3	03 147 2 6/6	04 148 2 9/6	05 149 3/-	06 150 3 6/6	R7 151 3 9/6	07 152 4/-	08 153 4 6/6	09 154 5/-	010 155 5 6/6	011 156 6 6/6	012 157 7 6/6	013 158 8/6	014 159 9/6	015 160 10/6
117 2/- or P1	118 2 3/6 P2	119 2 6/6 P3	120 2 9/6 P4	Punch's Metal. Best Burnished.		121 9 3/6	122 10 6/6	123 12	S.A.V.A.R.E.E. 82 3 6 83 4						
121 P5	122 P6 3 6/6	123 3 9/6	124 P7 4/-	125 P8 4 6/6	126 P9 5/-	127 P10 5/6	128 P11 6/6	129 P12 7/6	130 P13 8/6	84 4 6/6		85 5/-	86 5/6	87 6/6	88 7/6
Best Burnished Gold Colour					2nd quality 3d. less.		Chair Nails.								
42 3 6/6	43 4/-	44 4 6/6	45 5/-	46 5 6/6	47 6/-	48 6 6/6	49 7 6/6	93 3 6/6	94 4/-	95 4 6/6	96 5/-	97 5 6/6	98 6/-	99 6 6/6	200 7/6
Improved, or Machine Polished or Second Quality Unlacquered.					2nd quality 3d. less.										
139 G.C. 01 or 145	140 P1	141 P2	142 P3	143 P4	144 P5	145 P6	146 P7	147 P8	148 P9	149 P10	150 P11	151 P12	152 P13	153 P14	154 P15
155 or 156	157 P16	158 P17	159 P18	160 P19	161 P20	162 P21	163 P22	164 P23	165 P24	166 P25	167 P26	168 P27	169 P28	170 P29	171 P30

FANCY STAR NAILS, OVAL, AND OTHERS, AT REDUCED PRICES.

WIRE NAILS.

(POINTES DE PARIS.)

THESE Nails are daily coming more into use, being found easier to drive, lighter in weight, and less brittle than cut nails, which are the only kind that can compare with them in price. They are at present produced more chiefly abroad than in this country. The result is that, unless when ordered in quantities, the expenses of transit to England increase the cost too much. But when one ton or more can be ordered at once, and a little time be allowed for the shipment, the advantages they possess are very apparent. Even at the higher prices charged for the English-made wire nails, they are superior in most respects to other kinds.

The following list of NETT PRICES, ruling at one period of 1876, will show the comparative values.

No. 0 to 7 w.g.	12/6	Flat and Rose Head, (Diamond Head -/6 extra), 0 to 17 not under $\frac{1}{8}$ in. long; 18 to 20 not under $\frac{1}{2}$ and $\frac{3}{8}$ in. long. In wooden kegs of 112 lbs. each (without charge), delivered free in the Thames. If in Liverpool 1/- per cwt. extra. If packed in parcels of 14 lbs., -/6 per cwt. extra; ditto 2 lbs., 1/- ditto; ditto 1 lb., 1/3 ditto.
„ 8 w.g. ...	...	13 -
„ 9 „ ...	...	14/-
„ 10 „ ...	...	14/6
„ 11 „ ...	...	15/6
„ 12 „ ...	...	16/9
„ 13 „ ...	...	18/6
„ 14 „ ...	...	20/-
„ 15 „ ...	..	22/-
„ 16 „ ...	...	23/6
„ 17 „ ...	...	26/6
„ 18 „ ...	...	29/6
„ 19 „	36/-	
„ 20 „ ...	...	44 -

It will be seen from the above table that within ordinary limits the price of the nails is not affected by the *length*. The thickness alone governs the price. In other words a nail $1\text{ in.} \times 15$, $1\frac{1}{4} \times 15$, $1\frac{1}{2} \times 15$, or 2×15 will all cost the same. A reference to the wire-gauge table on page 17 will guide in ordering; but the following list of strengths in common use will be of service to those who have not been accustomed to this kind of nail.

OLD WEST INDIAN DENOMINATION OF NAILS.

	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	12d.	20d.	30d.
Rose .....	...	1	1 $\frac{1}{4}$	...	1 $\frac{3}{4}$	...	2	...	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$
Do. Jamaica	...	1	1 $\frac{1}{4}$	1 $\frac{3}{8}$ to 1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{3}{4}$
Clasp	1	1 $\frac{1}{4}$	1 $\frac{5}{8}$	...	2	...	2 $\frac{1}{4}$	...	2 $\frac{1}{2}$	2 $\frac{3}{4}$ to 3	...	...
Clout	$\frac{3}{4}$	$\frac{7}{8}$	1	...	...	...	...	...	...	...	...	...
Fine Sprigs ..	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	...	...	...	...	...	...	...
American Clout Cut	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	...	...	...
Patent Wrot. Rose	...	...	...	...	2 $\frac{1}{4}$	...	2 $\frac{3}{4}$	...	3 $\frac{1}{2}$	...	4	...

IRON BOILER RIVETS.

ROUND, FLAT, OR PAN HEAD.

The following nett prices will serve as a guide—

$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	in. and upwards.
29/-	24/-	21/6	21/-	19/-	18/-	16/-	per cwt.

In $\frac{1}{4}$ bags, 1/- per cwt. extra.
If less, -/4 per lb. nett.

B.B. Iron, 2/- per cwt. extra.
Charcoal Iron, 5/- „

COPPER BOAT NAILS & WROUGHT COPPER TACKS

NETT PRICES.

COPPER BOAT NAILS.

14	14	13	12	12	11 W.G.
$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 in. and upwards.
1/5	1/3 $\frac{1}{2}$	1/3	1/2 $\frac{1}{2}$	1/2 $\frac{1}{2}$	1/2 per lb.

Made with Countersunk, Rose, or Deck Heads. If in Iron, half above price.
Fine gauges, 1d. per lb. per gauge extra.

WROUGHT COPPER TACKS.

$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
2/-	1/10	1/7	1/7	1/6 per lb.

ANCHORS AND CHAINS.

IRON STOCK ANCHORS.

1 to 10 cwt.	...	...	...	per cwt. nett.
57 lbs. to 111 lbs.	...	...	1/6	per cwt. extra.
20 lbs. to 56 lbs.	...	...	3/6	" "

CLOSE-LINK OR RIGGING CHAIN.

$\frac{5}{8}$ in.	...	-/6 per cwt. extra.	$\frac{3}{8}$ in.	...	4/- per cwt. extra.
$\frac{1}{2}$ in.	...	1/6 " "	$\frac{5}{16}$ in.	...	6/- " "
$\frac{7}{16}$ in.	...	2/3 " "	$\frac{1}{4}$ in.	...	9/3 " "

Proving -/6 per cwt.

WEIGHT OF CHAIN CABLES.

Size.			Size.		
Average Weight. per Fathom.			Average Weight per Fathom.		
Inches.	lbs.	lbs.	Inches.	Per 15 fathom length.	
$\frac{1}{4}$	4			cwt.	cwt.
$\frac{5}{16}$	6		$1\frac{3}{16}$	11	to $11\frac{1}{4}$
$\frac{3}{8}$	9		$1\frac{1}{4}$	12	" $12\frac{1}{4}$
$\frac{7}{16}$	11	to 12	$1\frac{5}{16}$	$13\frac{1}{2}$	" $13\frac{3}{4}$
$\frac{1}{2}$	15	" 16	$1\frac{3}{8}$	$14\frac{1}{2}$	" 15
$\frac{9}{16}$	20	" 21	$1\frac{7}{16}$	16	" $16\frac{1}{2}$
$\frac{5}{8}$	24	" 25	$1\frac{1}{2}$	17	" $17\frac{1}{2}$
$1\frac{1}{16}$	30	" 31	$1\frac{9}{16}$	18	" $18\frac{1}{2}$
$\frac{3}{4}$	35	" 36	$1\frac{5}{8}$	19	" $19\frac{1}{2}$
$1\frac{1}{8}$	40	" 41	$1\frac{11}{16}$	21	" $21\frac{1}{2}$
Per 15 fathom length.			$1\frac{3}{4}$	$22\frac{1}{2}$	" 23
	cwt.	cwt.	$1\frac{13}{16}$	25	" $25\frac{1}{2}$
$\frac{7}{8}$	$6\frac{1}{4}$	to $6\frac{1}{2}$	$1\frac{7}{8}$	27	" 28
$1\frac{5}{16}$	7	" $7\frac{1}{4}$	$1\frac{15}{16}$	29	" 30
1	8	" $8\frac{1}{4}$	2	31	" 32
$1\frac{1}{4}$	9	" $9\frac{1}{4}$	$2\frac{1}{8}$	35	" 36
$1\frac{1}{2}$	10	" $10\frac{1}{4}$			

GALVANIZED IRON HOUSES.

It is impossible to give exact estimates without knowing the length, breadth, and height required, and the strength of iron, as well as the kind of framework and pillars or supports, if any.

The following information will however be found useful in ordering or in deciding on a plan before an estimate is made.

For general work, No. 24 gauge is found sufficient. When lightness is an object, No. 26 is used. When extra strength is desired, or where there is much exposure to rough weather, No. 22, or even No. 20, may be necessary.

The outside of all iron buildings should be kept regularly painted. The sun has great power on them, and a coat of paint every year will do much to prevent decay.

The following sketches exhibit the most useful Designs for such buildings as are usually required abroad.

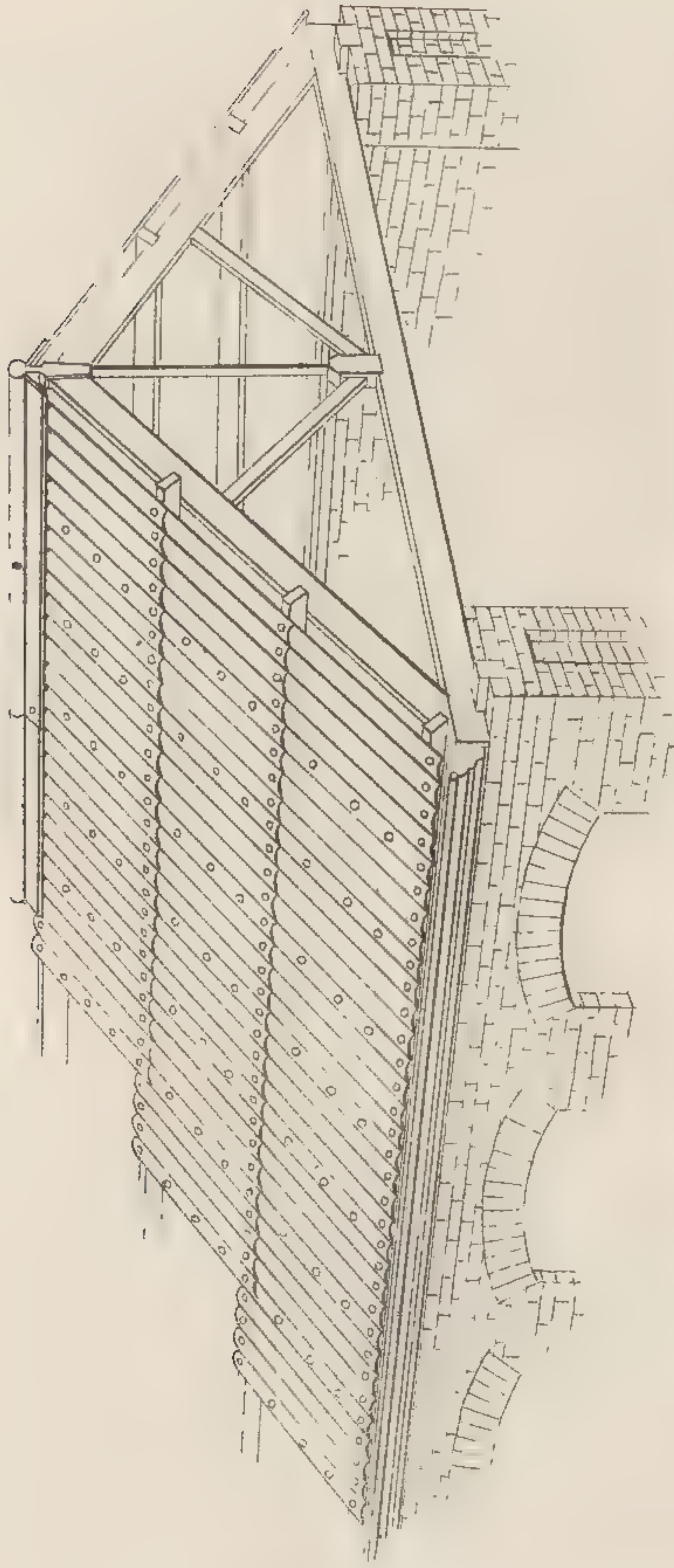
No. 1.—ROOF PARTLY COVERED WITH CORRUGATED GALVANIZED IRON.

Framework of a building partly covered with straight corrugated galvanized iron, the sheets being rivetted or bolted together, as shewn in the sketch. This form of sheet makes a very strong roof, and may be laid with equal facility on iron or wood framing.

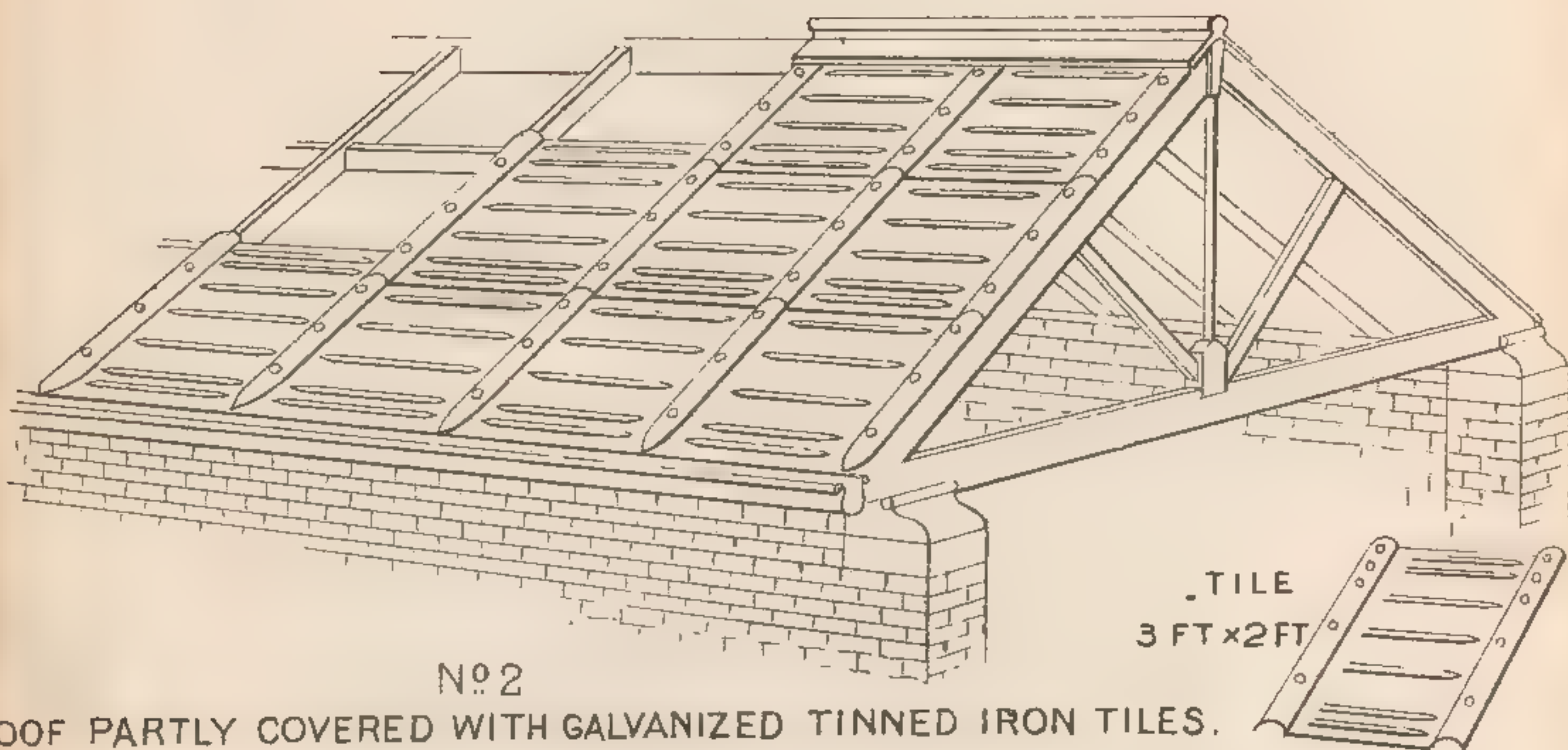
The strength required for the rafters will depend upon the size of the building, but as a guide the framework of the roof need not be over one-fourth as strong as would be necessary for slate, as a square of galvanized tinned iron (24 gauge) weighs under 1 cwt. 1 qr., while a square of slate of the usual kind weighs from 10 to 12 cwt., and of the lightest kind from 7 to 8 cwt.

For roofs of under 20 feet span, no framed principals are required.

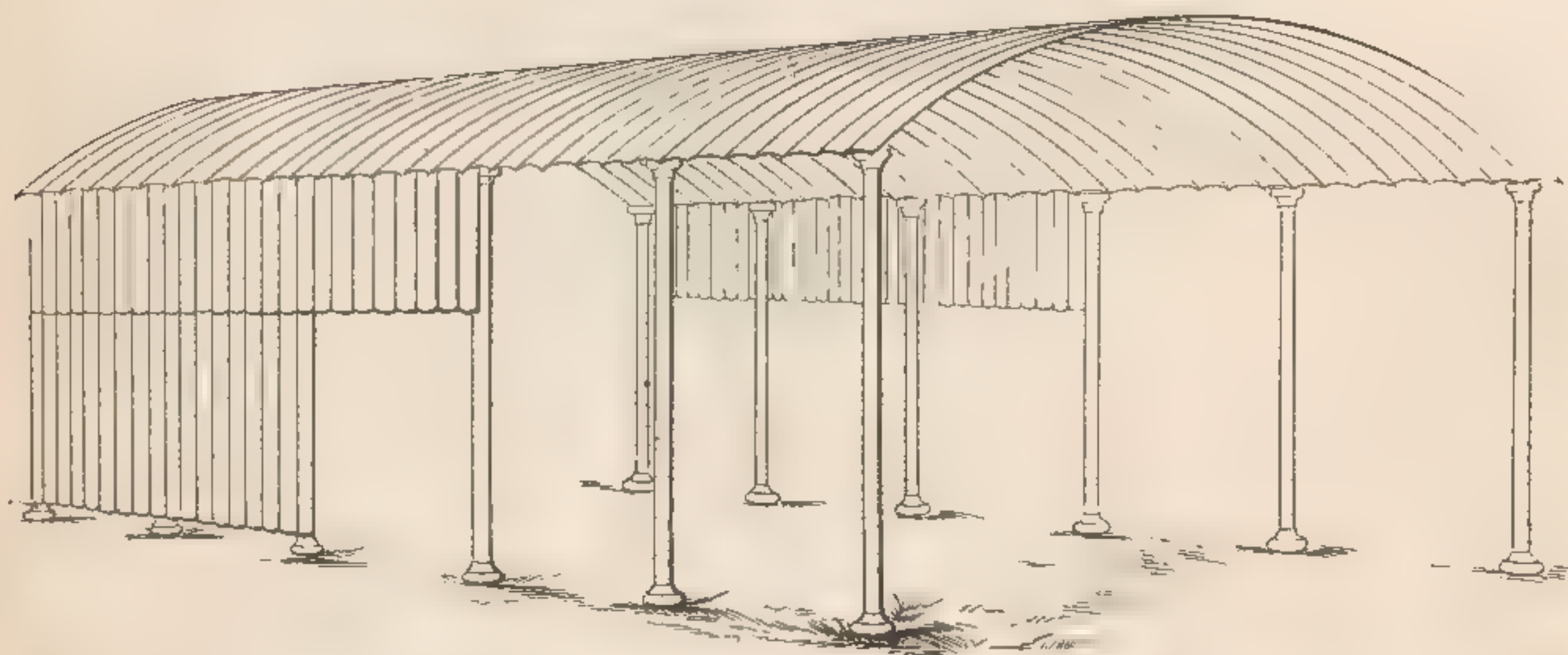
The rafters are about 7 feet 6 inches apart, and the purlins 5 feet 8 inches apart, both from centre to centre.



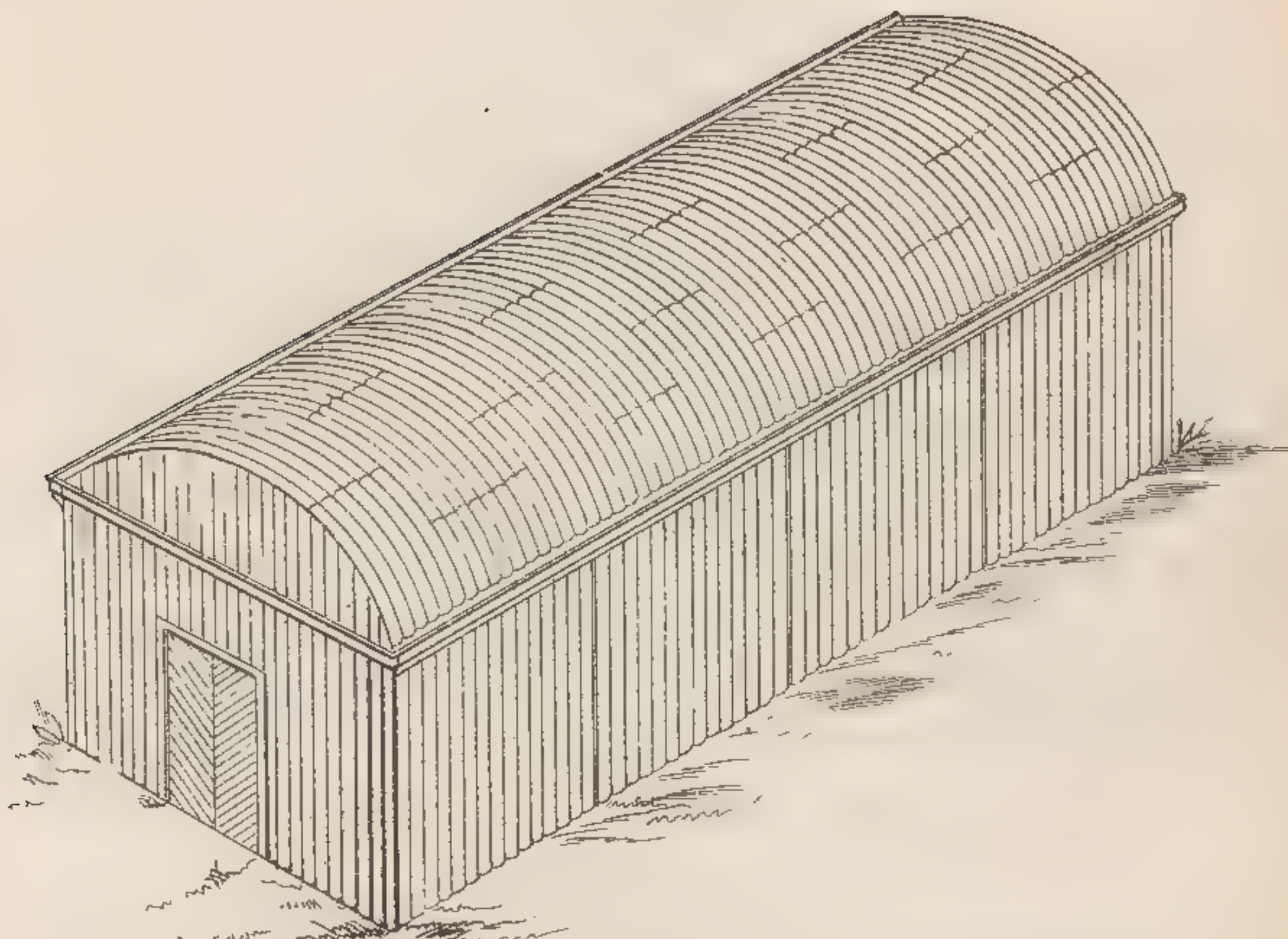
NO 1 ROOF PARTLY COVERED WITH CORRUGATED GALVANIZED IRON.



No 2
ROOF PARTLY COVERED WITH GALVANIZED TINNED IRON TILES.



No 3 SHED ROOFED AND PARTLY COVERED WITH GALVANIZED IRON.



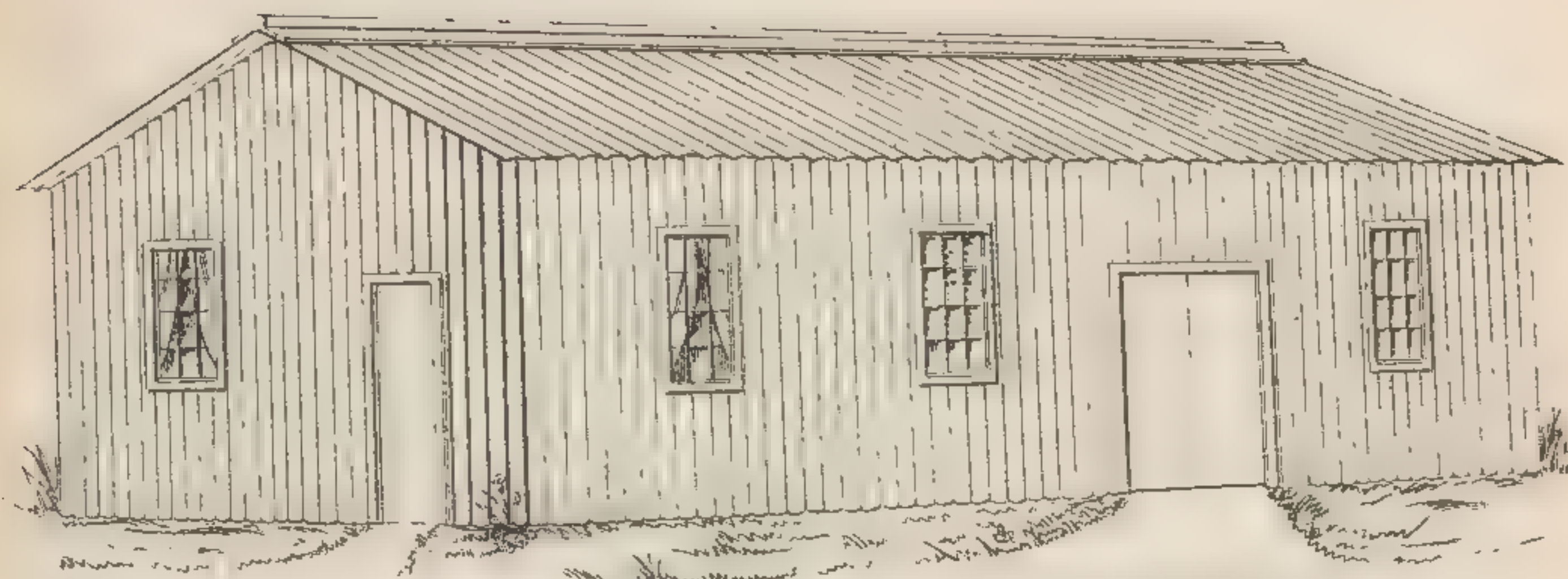
Nº 4 SHED ROOFED AND COVERED WITH GALVANIZED IRON.



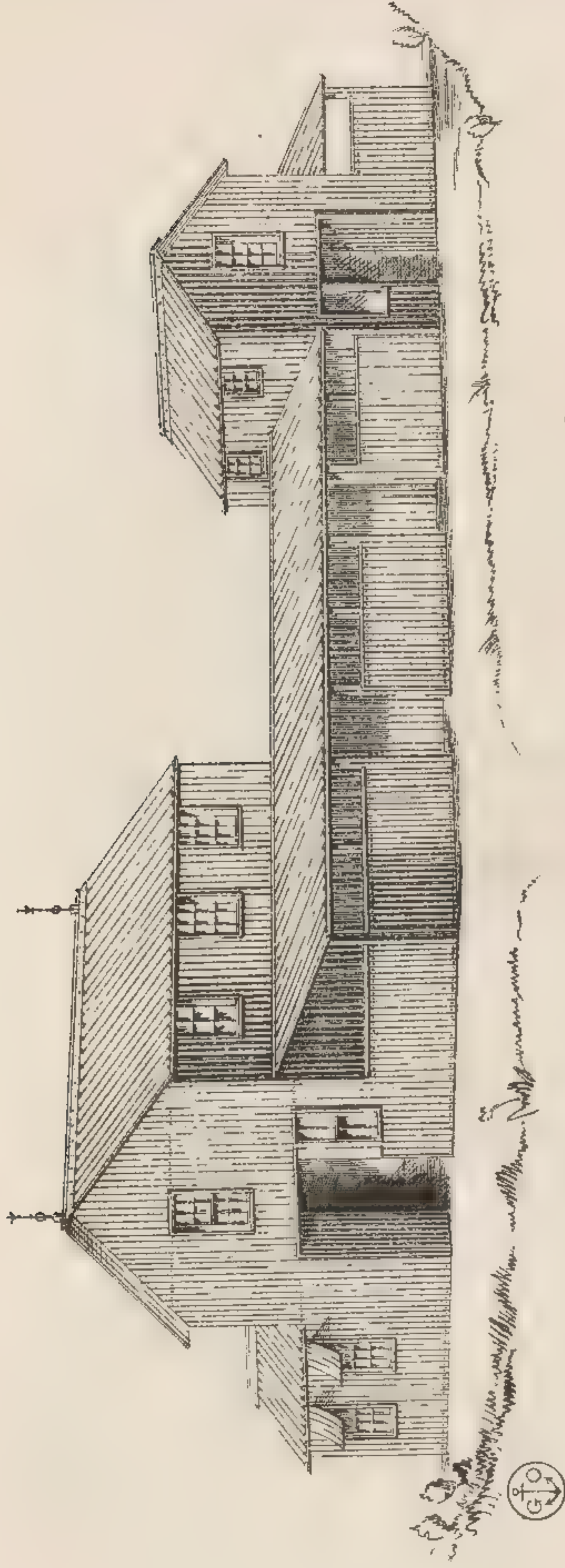
Nº 5 GALVANIZED IRON STORE.



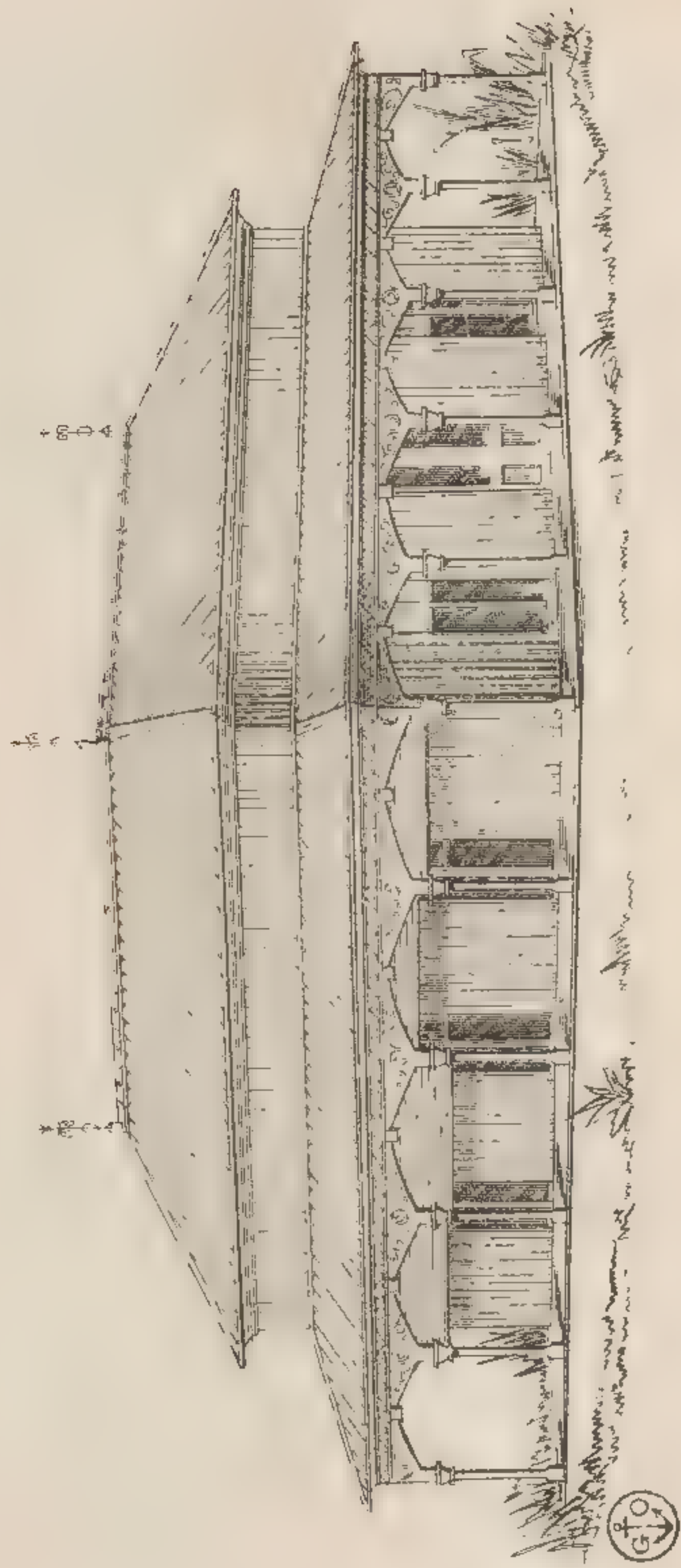
Nº 6 CHAPEL CONSTRUCTED OF GALVANIZED CORRUGATED IRON



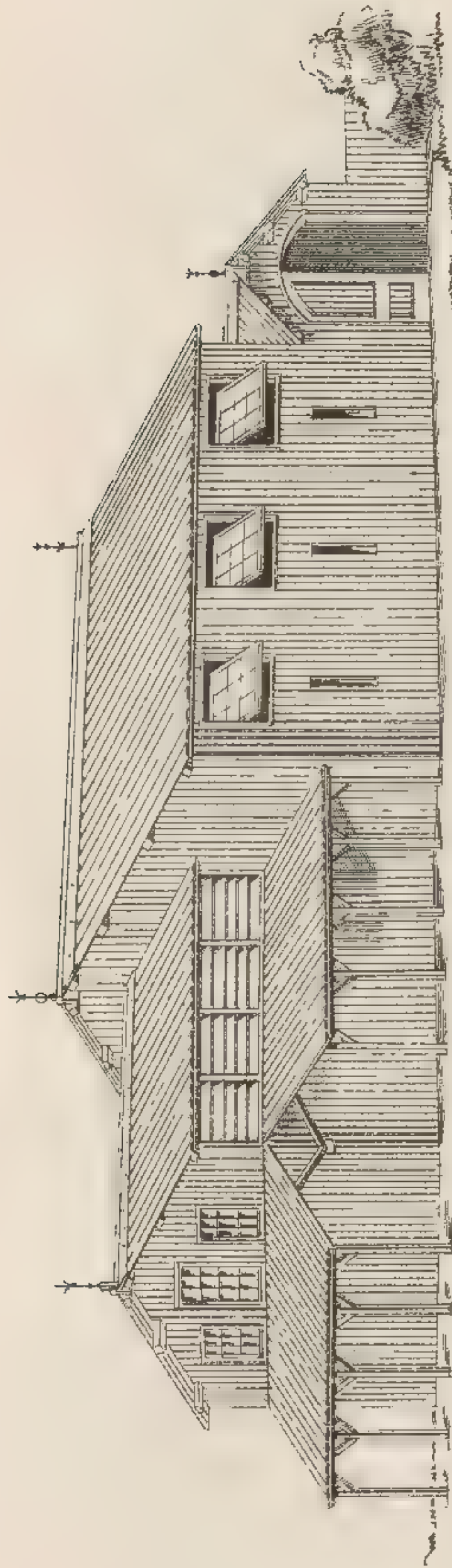
GALVANIZED IRON STORE.
Nº 7 WITH TWO ROOMED COTTAGE ATTACHED.



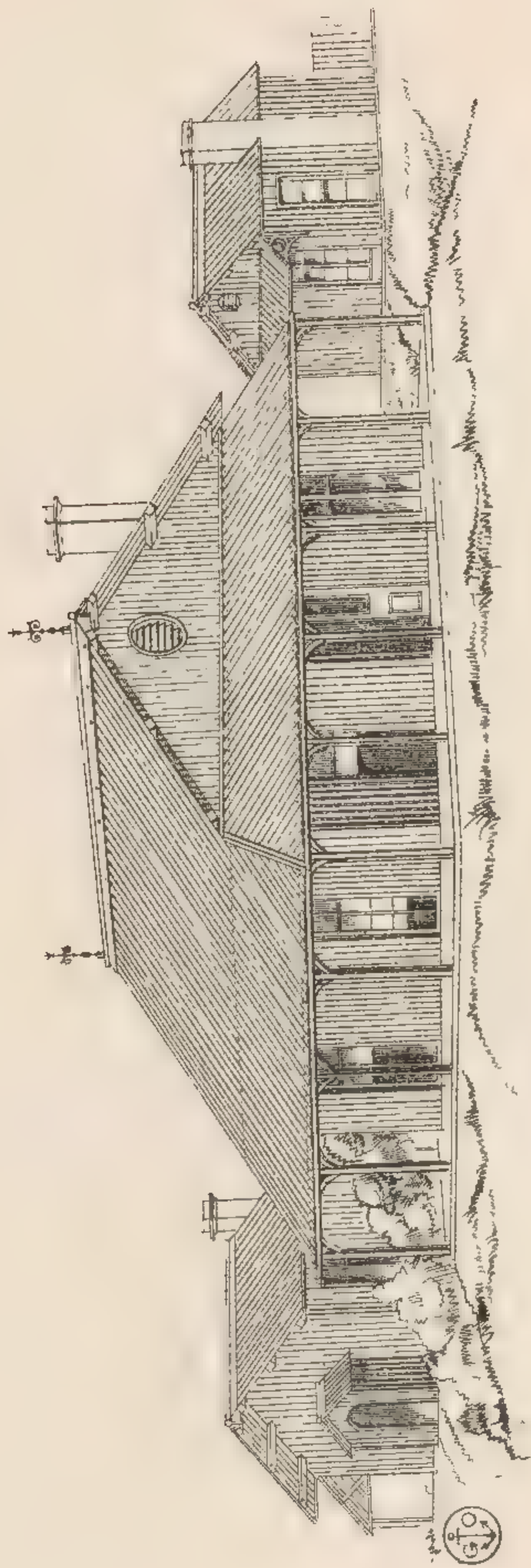
№ 8. TEA STORES. SHEDS AND OFFICE.



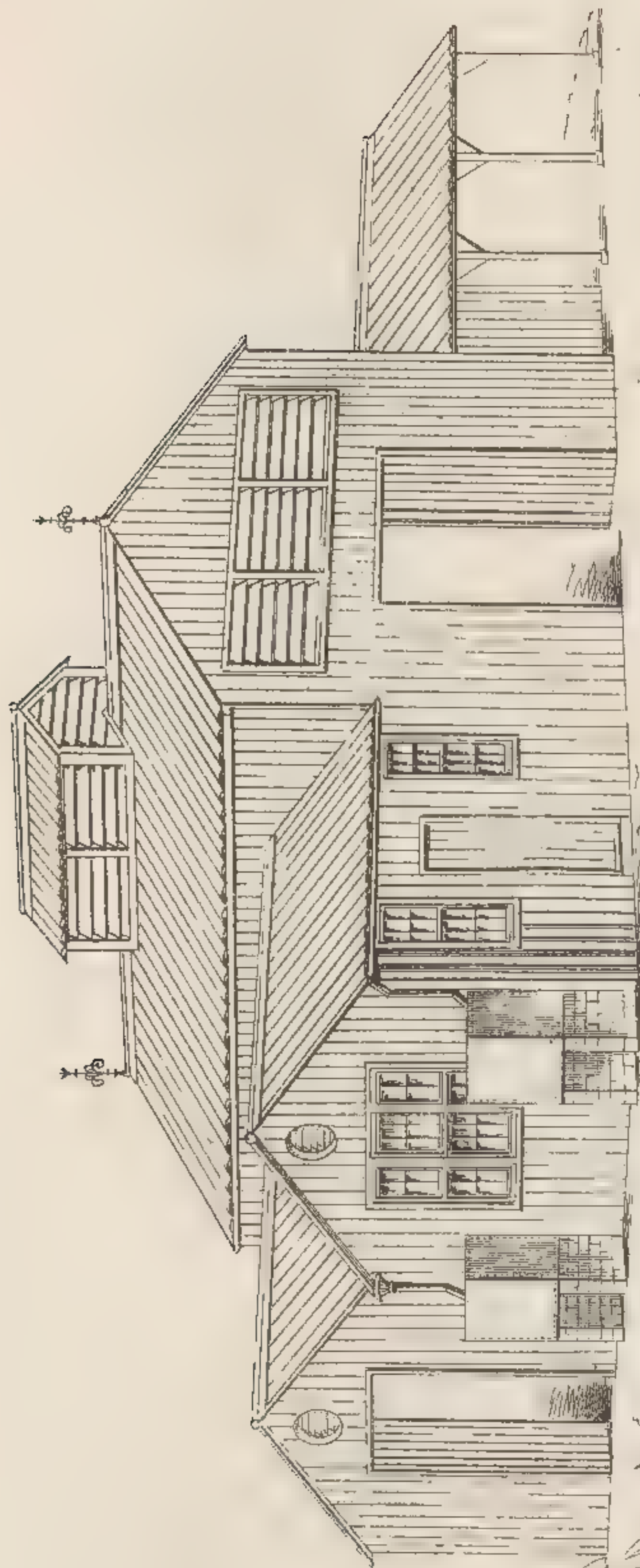
No 9 BUNGALOW



№10 COFFEE AND GENERAL PRODUCE STORE.



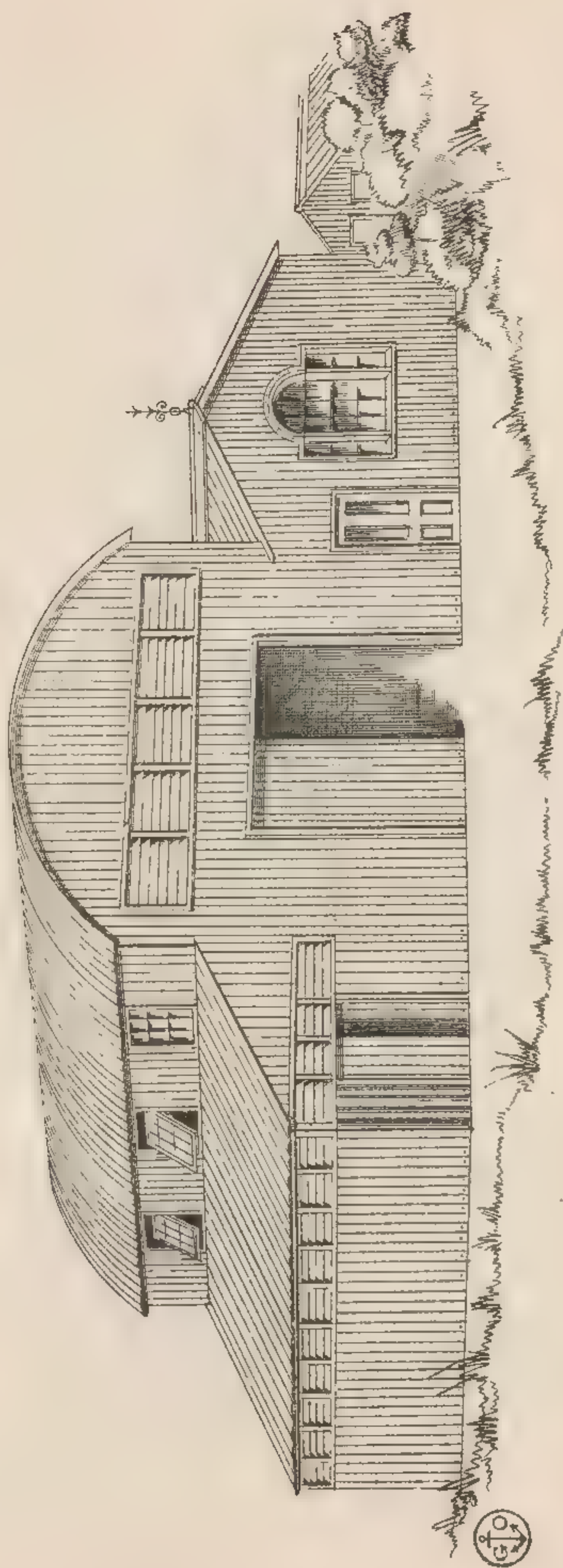
№ 11. PLANTERS COTTAGE.



Handwritten notes in the left margin:
 1. The building is a two-story structure.
 2. The building is a two-story structure.
 3. The building is a two-story structure.



Nº 12 COFFEE STORE PULPING SHEDS DRYING HOUSE AND OFFICE.



Nº 13. COTTON GINNING PRESSING STORE HOUSES AND OFFICE.

GALVANIZED IRON HOUSES—(continued).

Price of straight corrugated Galvanized Tinned Iron, fitted and prepared ready for laying, at per square of 100 feet (surface covered),

		24 gauge.
Ditto	ditto	22 „
Ditto	ditto	20 „

No. 2.—ROOF PARTLY COVERED WITH PATENT GALVANIZED TINNED
IRON TILES.

These Tiles, which are 3 feet long by 2 feet wide, are laid as slates on rafters and laths or battens, or on boards.

The upper end of each tile is punched with nail-holes, through which it is fastened to the lath or batten. The lower edge is without nail-holes, and laps over the upper edge of the plate below, the two cross grooves at the lower end of each plate fitting over those at the upper end of the preceding one, so that neither rain nor snow can possibly pass through the laps. These transverse grooves have also the effect of stiffening the metal, thus giving a thin sheet the strength of a much stouter one. There are also nail-holes on the side rolls of the plate, through which it is fastened to a corresponding wood-roll laid upon the rafters or boarding. Each tile should have a screw in the bottom end of the roll, nails alone being apt to spring in hot climates.

This is the most convenient form in which the metal can be exported or used in the country, as the tiles may be laid with facility by an inexperienced person.

The rafters may be 5 or 6 feet apart. The laths or battens 2 feet 8 inches apart, from centre to centre.

The weight of this description of roof is about 95 lbs. per square of 100 feet in 28 gauge metal; in 26 gauge, 110; in 24 gauge, 130 lbs.

Price, ready for laying,	per ton, in 28 gauge.
Ditto ditto	„ 26 „
Ditto ditto	„ 24 „
Ridge Cap, suitable for these tiles, supplied ready formed.	

GALVANIZED IRON HOUSES—(continued).

No. 3.—SHED ROOFED AND PARTLY COVERED WITH GALVANIZED IRON.

Shed with arch-corrugated galvanized roof, 120 feet by 50 feet, supported upon iron columns.

This kind of roof requires no framework of any kind, as the metal being arched supports itself, the edges only resting on a wall plate.

A stout iron gutter is generally so placed as to serve both as a gutter and a wall plate, the lower edge of the roof being rivetted to a flange on the back of it. The sides are so secured by tie-rods from one to the other as to resist the outward thrust of the roof.

Price per square of 100 feet, fitted and prepared for laying,

24 gauge.
22 „
20 „

No. 4.—SHED COVERED WITH GALVANIZED IRON.

Fire-proof Store, formed of corrugated and curved galvanized iron, on iron framing. The roof being arched requires no support.

Prices—100 feet by 40 feet	...	.
80 „ 40 „	...	...
60 „ 30 „	...	...

No. 5.—GALVANIZED IRON STORE.

Galvanized Iron Store, 120 feet by 60 feet, on iron framing, and covered with corrugated sheets, ventilated in the roof with sliding doors, iron sashes, &c.

These Stores are sent out to the colonies, packed in cases, the wood of which forms the flooring and lining. The framing principals to support roof, galvanized iron sheets, &c., are all marked and numbered, so that the Store can be erected without difficulty.

Price, fitted complete—120 feet by 60 feet	...
100 „ 60 „	...
80 „ 40 „	...

No. 6.—CHAPEL CONSTRUCTED OF GALVANIZED CORRUGATED IRON.

Churches and Chapels can be made to specification, and sent out fitted complete.

GALVANIZED IRON HOUSES—(continued).

No. 7.—GALVANIZED IRON STORE, WITH TWO-ROOMED COTTAGE
ATTACHED.

Prices—Store, 50 feet by 24 feet, with	}	
two-roomed Cottage ...		
Four-roomed Cottage only	...	
Two-roomed ditto	...	
One-roomed ditto	...	
Lining,		per square extra.

No. 8.—TEA STORES, SHEDS AND OFFICE, CONSTRUCTED OF GALVANIZED
CORRUGATED IRON.

Approximate nett cost of Store, 40 ft. × 20 ft., with upper floor 20 ft. to eaves; with Offices, 20 ft. × 15 ft. and 12 ft. to eaves; Sheds, 70 ft. × 15 ft. and 12 ft. to eaves; and two-storied Packing House, 25 ft. × 15 ft. and 20 ft. to eaves, the whole on wood framing, and including doors, windows, and flooring to

Offices, Store, and Packing House	...	...	...	...	£420	0	0
And the same with iron framing ...	...	...	...	...	£470	0	0

No. 9.—BUNGALOW CONSTRUCTED OF GALVANIZED CORRUGATED IRON.

Approximate nett cost of a Residence containing one Sitting Room, 21 ft. × 15 ft.; two Sitting Rooms, each 16 ft. by 15 ft.; four Bed Rooms, each 14 ft. × 12 ft.; one Store Room, 12 ft. × 8 ft. and Hall, 41 ft. × 8 ft. The Building 14 ft. high to the eaves, and with Verandah all round, on wood framing, provided with windows, doors, lining and flooring

...	£450	0	0
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Houses similar to these are erected in hot climates, the Offices being detached from the main building.

No. 10.—COFFEE AND GENERAL PRODUCE STORE, CONSTRUCTED OF GALVANIZED
CORRUGATED IRON.

Approximate nett cost of a Store, 60 ft. × 35 ft. and 14 ft. high to eaves; a Store, 30 ft. × 15 ft. and 14 ft. high to eaves; Entrance and Office, 35 ft. × 12 ft. and 11 ft. to eaves; and three sheds, each 30 ft. × 10 ft. and 8 ft. to eaves, with wood framing, doors and windows, complete, but without flooring or wood lining

...	...	...	...	...	£486	0	0
And the same with iron framing in place of wood	...	...	...	...	£536	0	0

GALVANIZED IRON HOUSES—(continued).

No. 11.—PLANTER'S COTTAGE.

Approximate nett cost of a Building, similar to sketch, with two Sitting Rooms, each 16 ft. × 12 ft.; three Bed Rooms, each 12 ft. × 11 ft.; Hall, 24 ft. × 5 ft.; and Store Room, 9 ft. × 5 ft. 10 ft. high to eaves, with Verandah on two sides, on wood framing, with windows, doors, flooring, and internal wood lining, &c., complete £190 0 0

No. 12.—COFFEE STORE, PULPING SHEDS, DRYING HOUSE AND OFFICE.

Approximate nett cost of a Building, similar to sketch, with Coffee-drying House, 60 ft. × 25 ft. and 15 ft. to eaves; Store and Offices, 60 ft. × 20 ft. and 10 ft. to eaves, and Pulping Sheds, 60 ft. × 35 ft. and 10 ft. to eaves, all on wood framing, with all requisite doors, windows, &c., but without flooring or wood lining... .. £424 0 0
And the same with iron framing £520 0 0

No. 13.—COTTON GINNING, PRESSING AND STORE HOUSES, AND OFFICE

Approximate nett cost of a Building, similar to sketch, consisting of Cotton Ginning and Pressing House, 60 ft. × 30 ft. and 16 ft. to eaves; one Store for unginned cotton, 60 ft. × 18 ft. and 14 ft. to eaves; one Store for bales, 50 ft. × 30 ft. and 14 ft. to eaves, and Offices, 30 ft. × 10 ft. and 14 ft. to eaves, on wood framing and internal wood lining... .. £510 0 0
And the same with iron framing £605 0 0

The Floors of most of the Stores in hot climates are generally of Asphalte, Cement, or Concrete, to guard against the attacks of White Ants, and other insects, and Wood, in every case, when used as framing for Buildings, should have a coat of Parafin Oil.

Buildings similar to these sketches have been frequently erected, and in all cases have proved thoroughly satisfactory. For Dwelling Houses, Offices, &c., the inside and ceilings may be lined with wood or felt.

Nos. 8 and 9 are adapted for India and the Tea Provinces.

Nos. 10 and 11 are adapted for Coffee and general produce growing countries, as South America, South Africa, or Ceylon.

Nos. 12 and 13 are adapted for countries where Cotton, Coffee, &c. are produced.

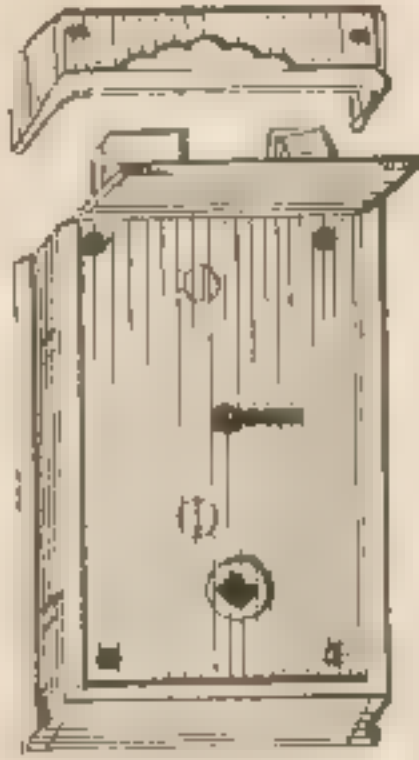
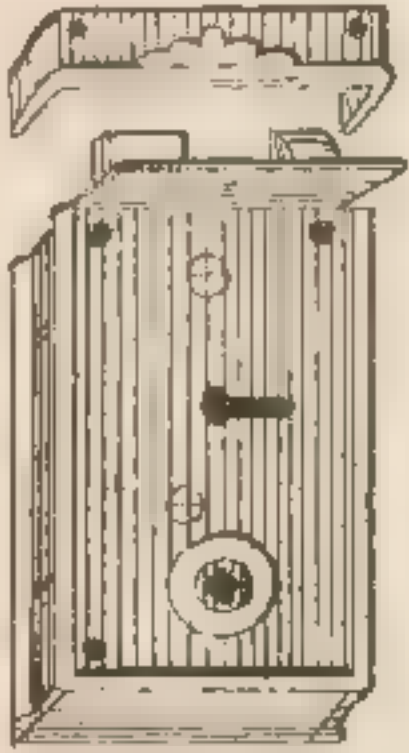
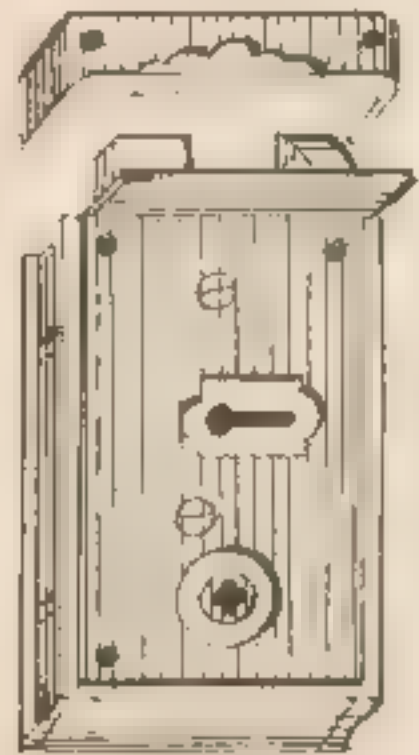
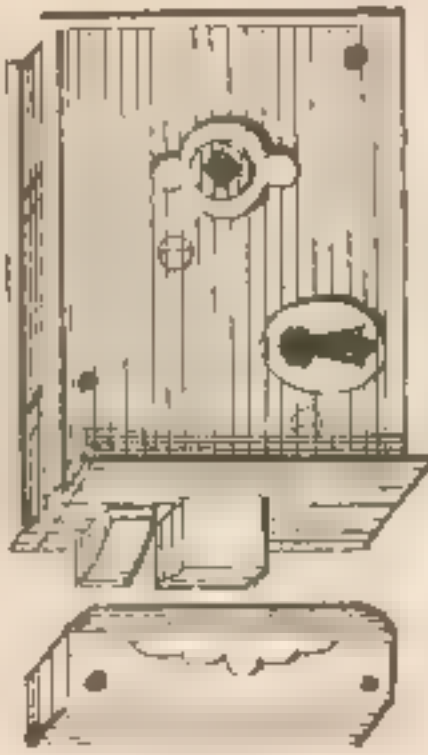

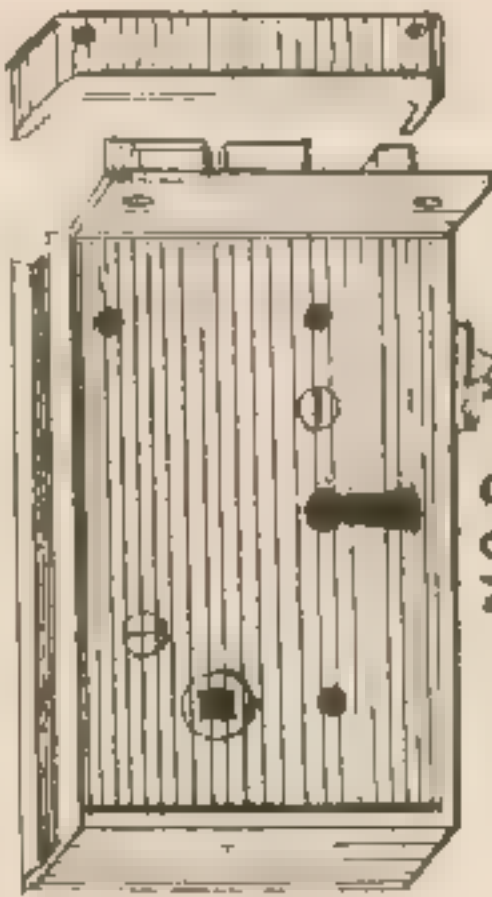
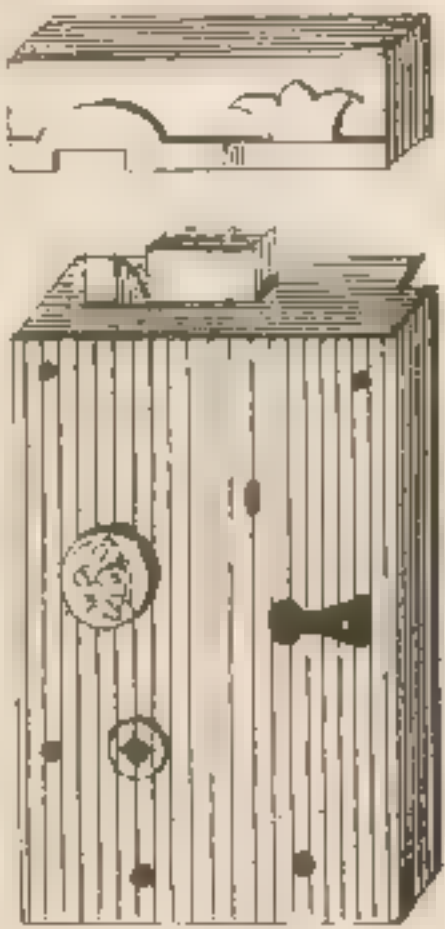
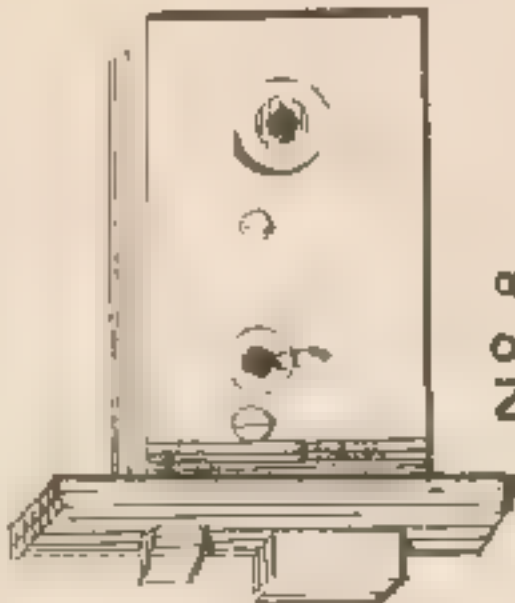
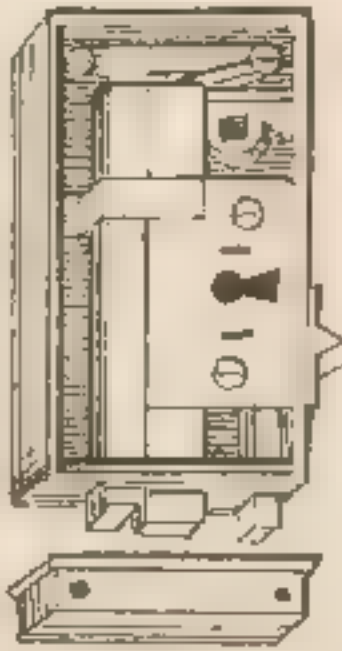
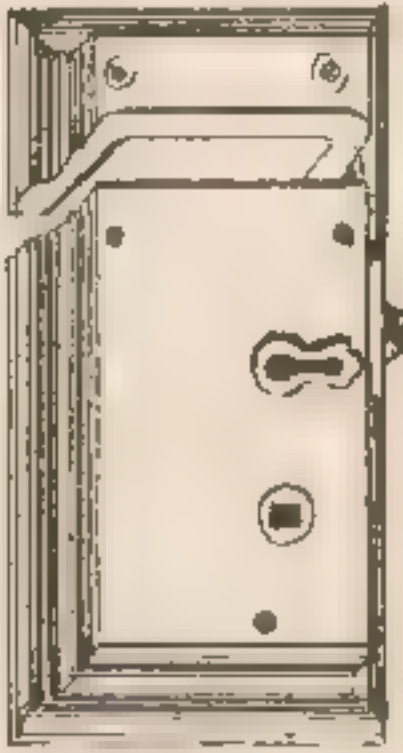

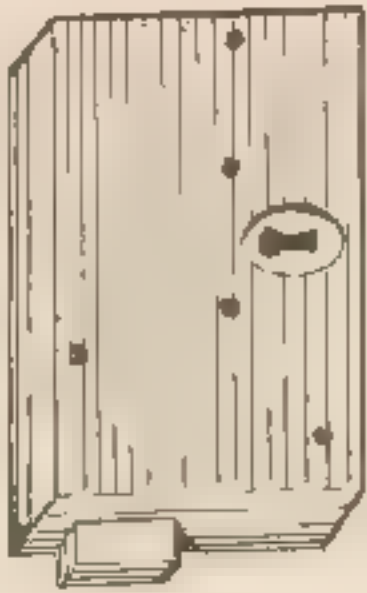
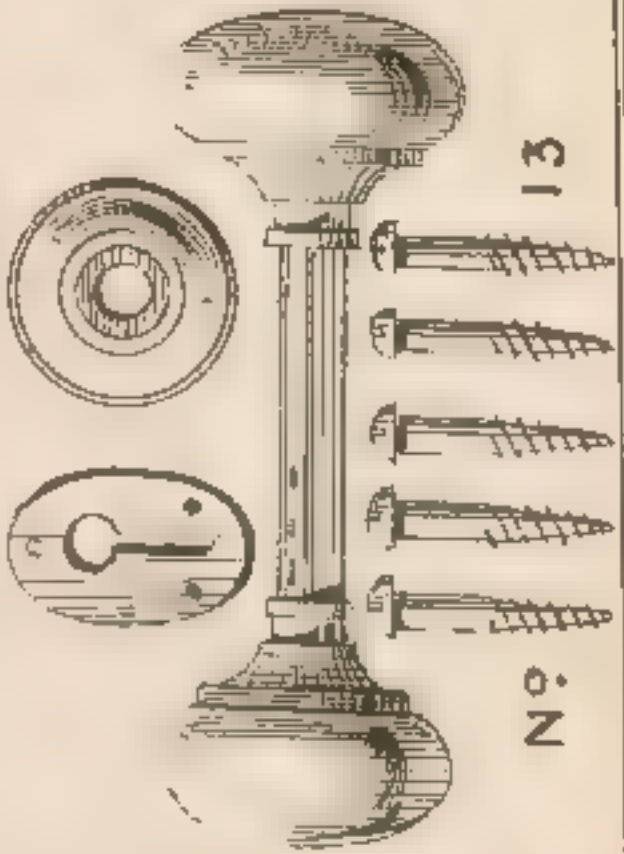
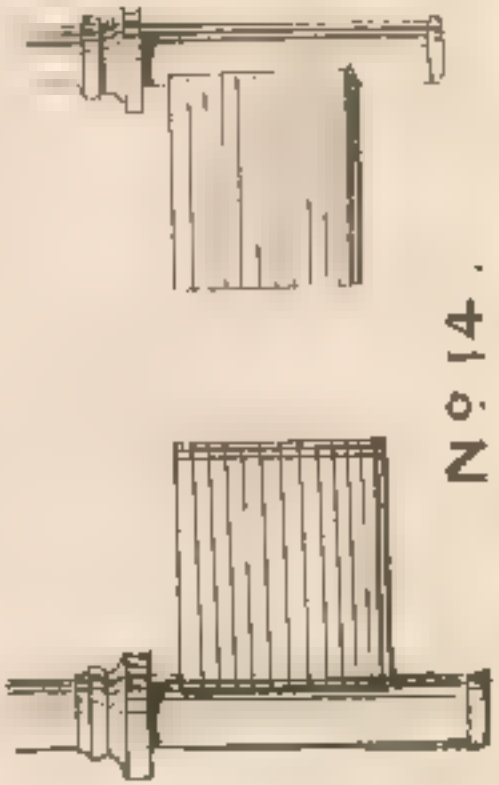

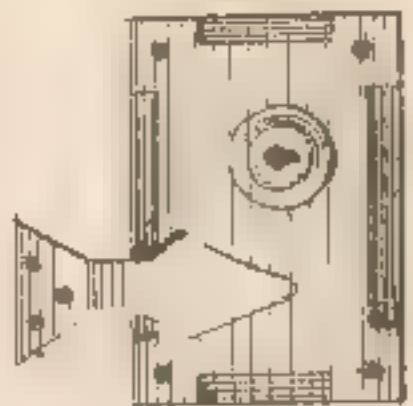
P A I N T .

THE importance of using good Paint as a protection to the surface of Galvanized Iron cannot be overrated. The paint called the "Champion Paint" is very economical and lasting. Two pounds of it are found to go as far as three pounds of red lead or oxide of iron. The price of it ground in oil and ready for use, and packed in $\frac{1}{2}$ or 1 cwt. iron kegs, is 35/- per cwt.

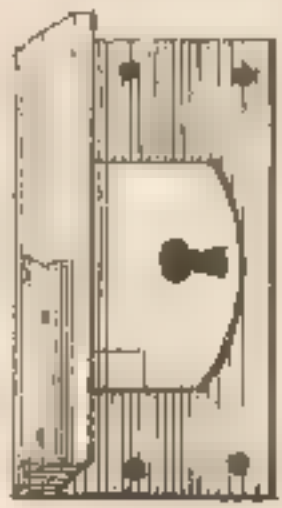
For testimonials in favour of this paint, see Appendix.



LOCKS & PADLOCKS.

 <p>No 1.</p>	 <p>No 2</p>	 <p>No 3.</p>	 <p>No 4.</p>
 <p>No 5.</p>	 <p>No 6.</p>	 <p>No 7.</p>	 <p>No 8</p>
 <p>No 9.</p>	 <p>No 10.</p>	 <p>No 11.</p>	 <p>No 12.</p>
 <p>No 13</p>	 <p>No 14.</p>	 <p>No 15.</p>	 <p>No 16.</p>

LOCKS & PADLOCKS.



No 17.



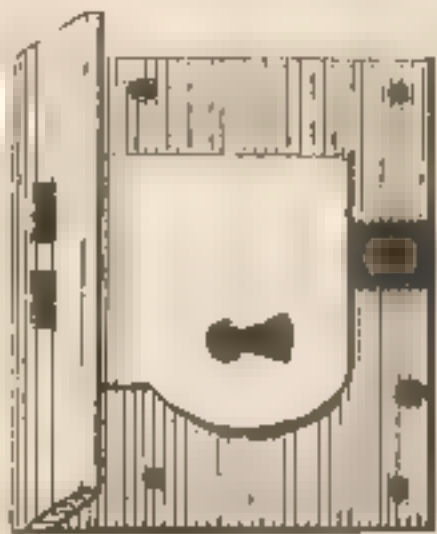
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No 19.



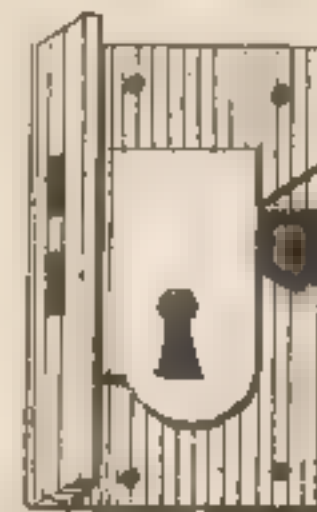
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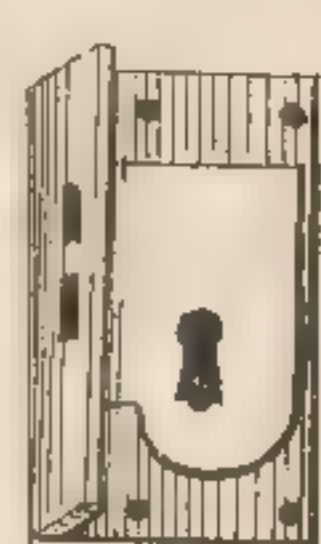
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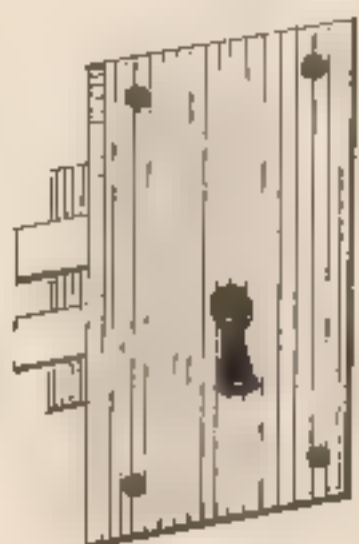
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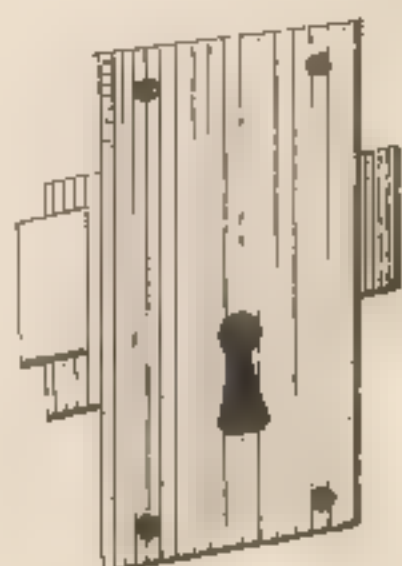
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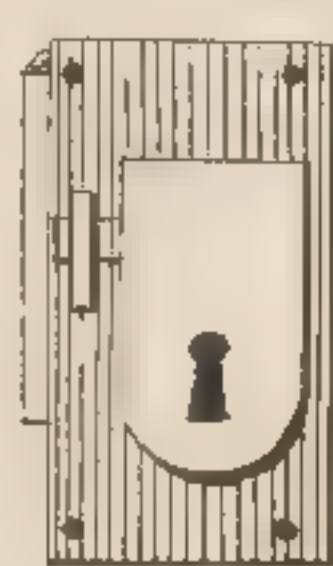
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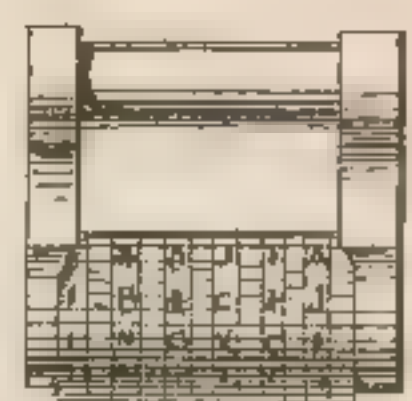
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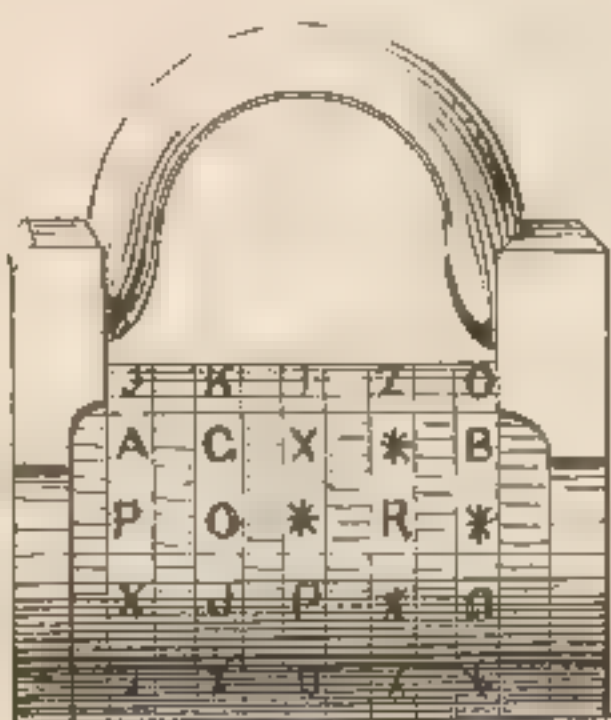
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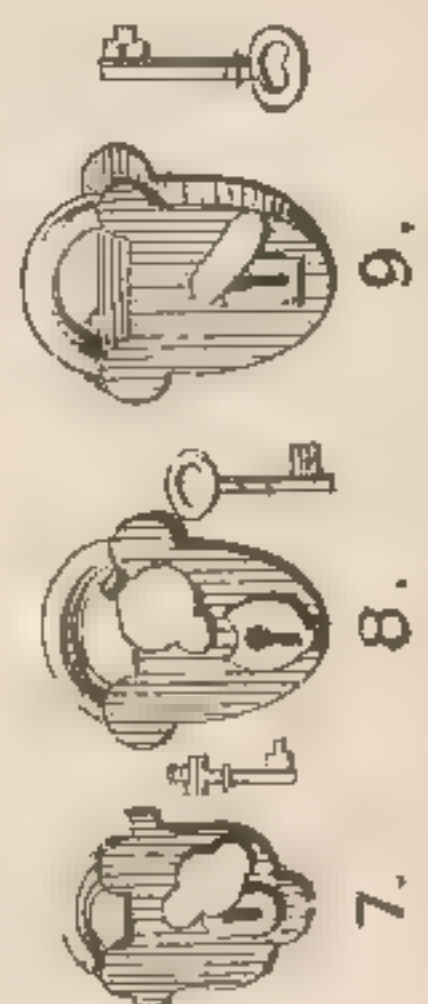
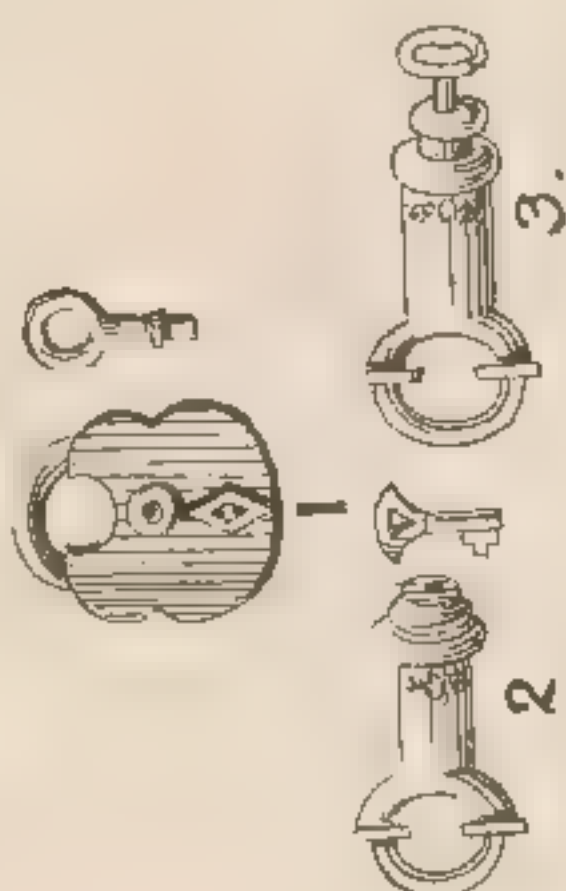
No 27.



No 28.



No 29.





LOCKS AND PADLOCKS.

No. of Drawing	DESCRIPTION.	INCHES.	BOLT.	
LOCKS.				
1	Rim Lock and Staple	6	2	
2	Ditto ditto	6	2	Bushed follow
3	Ditto ditto	6	2	Ditto do. and key
4	Ditto ditto	6	2	Ditto do. strong
5	Ditto ditto	6	2	$\frac{3}{4}$ -plate do. do.
6	Ditto ditto	7	3	[Scotch spring
7	Ditto ditto	7	2	Patent
8	Mortise Lock	6	2	
9	Brass Case and Staple	6	3	
10	Ditto ditto	7	3	Moulded
11	Stock Lock	9	...	
12	Dead or Closet	6	...	
13	Rim Furniture ... ..	...	...
14	Keys ... ..	...	...
15	Night Latch and Staple ...	$4\frac{1}{2}$...	
16	Trunk Lock	$4\frac{1}{2}$...	
CABINET LOCKS.				
17	Box or Chest ... ..	...	...	Single link
18	Ditto ditto ... ..	...	...	Double ditto
19	Drawer or Till ... ..	...	1	Back spring
20	Ditto ditto ... ..	...	2	Ditto ditto
21	Ditto ditto ... ..	...	2	Tumbler
22	Cut Cupboard ... ..	...	1	Back spring
23	Ditto ditto ... ..	...	2	Ditto ditto
24	Ditto ditto ... ..	...	2	Tumbler
25	Straight Cupboard ... ..	...	...
26	Ditto ditto ... ..	...	...	Double handed
27	Linkplate ditto ... ..	...	...
28	Letter Lock ... ..	...	...	Common
29	Ditto ditto ... ..	...	...	Best
PADLOCKS.				
1	Fancy Padlock, top screw ...			
2	Ditto ditto			
3	Screw ditto			
4	Fancy ditto			
5	Ditto ditto			
6	Ditto ditto, side screw ...			
7	Tumbler, brass drop and bush			
8	Ditto ditto ditto ...			
9	Ditto ditto ditto ...			

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.							
	RIM LOCKS, WITHOUT FURNITURE.					per doz. 5 & 6 in.	per doz. 7 in.	per doz. 8 in.
1	2-Bolt, Brass striker, wrought staple ...					12/-	15/-	19/-
6	3 ditto ditto ditto 1/6 extra.							
	Back spring (rivetted) 1/- extra							
	Scotch ditto (screwed) 1/6 „							
2	Bushed follow 2/- „							
3	Ditto ditto and key 4/- „							
	2-Bolt, strong					14/-	17/-	22/-
4	Ditto ditto double bushed					18/-	21/-	26/-
	Ditto ditto ¾-plate					18/-	22/-	26/-
	Ditto ditto ditto double bushed ...					22/-	26/-	30/-
5	Ditto ditto ditto ditto Scotch spring					23/6	27/6	31/6
7	CARPENTER'S PATENT, complete with Brass Furniture, Patent Spindles, and Screws:					6 in.	7 in.	8 in.
	2-Bolt, No. 60					31/-	38/6	54/-
	3 Ditto ditto					33/6	41/-	56/6
	2 Ditto ditto bushed					36/-	43/6	58/6
	3 Ditto ditto ditto					38/6	45/6	61/-
	3 Ditto No. 70 round ward					41/-	51/-	67/-
	3 Ditto No. 71 solid ward					48/-	58/6	74/-
	3 Ditto No. 50 lever					108/-	122/-	
						8 in.	9 in.	10 in.
	2 Ditto hall door					72/-	94/-	124/-
	2 Ditto No. 75 ditto					86/-	116/-	144/-
	3 Ditto No. 72 ditto					116/-	144/-	186/-
	1 Ditto No. 220 draw-back					64/-	86/-	108/-
	2 Ditto No. 480 ditto					80/-	100 -	130

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.							
						per doz.	per doz.	per doz.
	PORTUGUESE DOOR LOCKS.					5in.	5½in.	6in.
	Plain ...	...	...	...	with staples	3/2	3/2	3/2
	Strong...	...	...	...	ditto	4/-	4/-	4/-
	Ditto, cast barrels	...	...	...	ditto	4/6	4/6	4/6
	Extra strong, ditto	...	...	...	ditto	5/-	5/-	5/-
	Fast barrel, bright bolt	...	...	...	ditto	8/6	8/6	8/6
	Turn ditto	ditto	...	...	ditto	9/6	9/6	9/6
	BRASS RIM LOCKS,					each.	each.	each.
	WITHOUT FURNITURE.					4in.	5in.	6in.
	2-Bolt, Iron Key	...	...	...	...	3/6	3/9	4/3
	2 ditto	ditto, upright	...	...	...	3in. 3/6	3½in. 3/9	4in. 4/3
	Gun Metal Keys	...	...	...	...	extra. -/3		
	Strong Brass Furniture complete, with Ducie's patent brass spindles	...	...	...	...	-/10		
	Extra strong Cast Furniture, &c., as above					1/-		
	MORTISE LOCKS,					per doz.	per doz.	per doz.
	WITHOUT FURNITURE.					5in.	6in.	7in.
	1-Bolt, improved, japanned	...	...	...	...	21/-	22/-	
	1 ditto	ditto bright	...	...	...	23/6	24/6	
	2 ditto sash ward	...	...	...	...	23/6	24/6	33/-
	2 ditto brass bolt	...	...	...	...	25/6	26/6	
	3 ditto sash ward	...	...	...	...	26/6	27/6	36/6
8	2 ditto round ward, steel follow, bushed, broad bolt, well finished	...	...	...	...	38/-	39/-	47/-
	2 ditto round ward, broad bolt, strong, club bolt	...	...	...	...	33/-	34/-	42/-
	2 ditto, round ward, pinned, bushed, brass cheeks and runners	...	...	...	...	each. 4/4	each. 4/5	each. 5/1
	2 ditto broad bolt, solid brass wards, pinned, bushed, steel follow, bushed, with brass runners, well finished	...	...	...	...	4/10	4/11	5/9

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.		
	MORTISE LOCKS (continued).	each.	each.
	WITHOUT FURNITURE.	5 in.	6 in.
			7 in.
	2-Bolt, broad bolt, pinned, bushed, fancy bitted, bushed steel follow, solid brass wards, brass stumps, and runners, supe- rior finish... ..	5/3	5/4
			6/2
	2 ditto, broad bolt, turned brass wards, steel follow bushed, brass stumps and runners, loose brass tail	5/9	5/10
			6/8
	3 ditto, broad bolt, turned brass wards, cut cap, pinned, bushed, extra strong fore ends, brass bushed, steel follow, brass stumps well finished	8/7	8/8
			9/8
	2 ditto, broad bolt, turned brass wards, pin- ned, bushed, and collar wards, bushed steel follow, brass stumps and runners ...	8/11	9/-
			10/-
	UPRIGHT MORTISE,	6" x 4"	
	COMPLETE WITH BRASS FURNITURE.		
	2-Bolt, plain ward, japanned, with iron follow, cranked tail, to lock twice ...	3/6	
	2 ditto ditto ditto, with bushed follow...	4/1	
	2 ditto, brass sash ward, japanned, pinned, bushed extra strong, cut cap, to lock twice	4/6	
	2 ditto, plain ward, fancy bitted key, shifting bolt, sunk plate, and cut cap, bushed key- hole and follow, all bright, to lock twice, broad bolts and extra strong	7 1/4" x 3 1/4"	
		4/9	
	2 ditto, brass sash wards, steel follow, bushed and bushed key hole, brass bolts and brass tumblers, crank tail, japanned, strong, with flat bow key	7" x 3"	
		6/6	
		per doz.	per doz.
	MORTISE GATE LOCKS.	3in.	4in.
			5in.
	Common	14/-	16/-
			19/3
	Fine ward	15/-	17/-
			20/3
	BRASS MORTISE LOCKS,	each.	each.
	WITHOUT FURNITURE.	4in.	5in.
			6in.
	2-Bolt, well finished	3/9	4/-
			4/6
	2 ditto, shifting bolts, best	4/3	4/6
			5/-

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NET PRICES.							
	BRASS MORTISE LOCKS (continued).				each.	each.	each.	
	WITHOUT FURNITURE.				3in.	3½in.	4in.	
	2-Bolt, upright	...	...	...	3/9	4/-	4/6	
	2 ditto, ditto, best	...	...	...	4/3	4/6	5/-	
	2 ditto, cabin-door	...	...	2½ × 3½	4/-			
	2-Hookbolt, ditto	...	...	2¼ × 3¼	4/3			
	Hookbolt, ditto	...	...	3 × 3¼	4/-			
	Circular bolt, ditto	...	...	2½ × 2¾	3/9			
	BRASS CASE LOCKS,				per doz.	per doz.	per doz.	
	COMPLETE WITH BRASS FURNITURE.				5in.	6in.	7in.	
	2-Bolt, Scotch spring, plain	...	...	...	35/-	37/-	45/-	
9	3 ditto, ditto ditto	...	...	...	36/6	38/6	46/6	
	2 ditto, ditto moulded	...	...	...	60/-	63/6	76/-	
10	3 ditto, ditto ditto	...	...	...	61/6	64/-	77/6	
	2 ditto, brass bolt, ditto patent	...	...	...	56/6	60/-	70/-	
	STOCK LOCKS,							
	WITHOUT STAPLES.				per doz.	per doz.	per doz.	per doz.
	STRONG—				7in.	8in.	9in.	10in.
	Bastard	...	...	...	12/6	14/-	17/6	21/6
11	Fine	...	...	...	16/-	18/-	22/-	26/-
	Bushed	...	...	...	24/-	26/-	30/-	34/-
	Twice dead, bar'd, with screws				26/-	28/-	32/-	36/-
	Varnished and ditto	...	...			24/-	26/-	28/6
	ORDINARY are 10 % less.							
	Screws, 2/- per dozen extra.							
	Bar'd, 4/- ditto.							
	Wrought Staples, 1/6 per dozen.							
	Cap	ditto	1/9	„				
	Gothic	ditto	2/6	„				
	Stock Locks of Best qualities differ in dozens. Lower priced have six sorts in a dozen, Common and Small three sorts.							

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.							
12	DEAD OR CLOSET LOCKS, WITHOUT STAPLES.				per doz. 5 in.	per doz. 6 in.	per doz. 7 in.	
	Common rivetted cap	5/6	7/9	10/6				
	Fine ward, screwed cap	7/-	9/-	13/6				
	Ditto ditto cover plate	10/-	12/-	16/-				
	Odd ward, strong oval, bushed	12/-	14/6	19/-				
	Ditto do. cover plate, well-finished flat bow key	14/8	17/6	21/8				
	Odd ward, strong oval bushed, fluted rim, cover plate, with very broad bolts, best finished	20/-	22/-	25/6				
	Fluted rim, fine ward, cover plate, brass levered, screwed, well finished	each. 2/-	each. 2/3	each. 2/8				
	Broad brass bolt, brass ridge and collar wards, brass bushed, strong fluted rim, coverplate, best finished, with fancy well-finished key	3/-	3/6	4/-				
	2-ward round, extra strong and broad, with broad bolt, large fancy bush and brass cap wheels, superior quality, with strong keys for store doors	6/3	6/3	6/6				
	Fine ward, cover plate, double handed ...	per doz. 14/-	per doz. 16/-	per doz. 21/-				
	Cast case, double handed	12/-	14/-					
	Fancy ditto ditto	10/-						
	Brass solid ward, brass full bushed, fluted rim, cover plate, strong, best finished double handed	each. 2/6	each. 2/8	each. 3/3				
13	LOCK FURNITURE.							
	Brass Rim Furniture — including Wilkes' patent spindles, screws and escatcheon pins	per doz. sets. 5in.	per doz. sets. 6in.	per doz. sets. 7in.	per doz. sets. 8in.			
		4/3	4/9	5/3	6/-			
		6/9	7/6	8/9	9/9			
	Ditto 2-Bolt Mortise, ditto	7/9	8/9	10/-	11/6			
	Ditto 3 ditto ditto							
	China 2 ditto, White ditto		10/-					
	Ditto 3 ditto ditto		11/-					
	Ditto 2 ditto, White and Gold ditto		18/-					
	Ditto 3 ditto ditto ditto		20/-					
	Ditto 2 ditto, Black ditto		11/-					
	Ditto 3 ditto ditto		12/-					
	Ditto Finger Plates, White per doz.	Long. 3/6	Short. 3/-					
	Ditto ditto, White and Gold per doz.	10/-	8/6					
	Ditto ditto, Black per doz.	4/-	3/9					
	Round End Plates, 1/- per dozen extra							
	Burnished Brass Screws, 2/- per gross	Knobs. 2in.	Knobs. 2½in.	Knobs. 2¾in.				
	Ebony 2-Bolt Mortise	12/6	13/6	14/6				
	Oak 2 ditto	12/-	13/-	14/-				

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.							
	LOCK FURNITURE (continued),							
	GLASS MORTISE, COMPLETE WITH DUCIE'S PATENT SPINDLES.						2 Bolt.	3 Bolt.
	Moulded Crystal	...	...	...	...	...	5/6	6/6
	Ditto Amber	...	...	...	...	...	7/6	8/9
	Best Moulded Crystal	...	...	...	...	...	7/6	8, 9
	Ditto ditto Amber	...	...	...	...	...	9/3	10/9
	Octagon Cut Crystal	...	...	...	...	...	7/9	9/3
	Octagon Cut Amber	...	...	...	...	...	9/6	11/6
	Diamond Cut Crystal	...	...	...	...	...	9/6	11/6
	Ditto ditto Amber	...	...	...	...	...	11/6	13/9
	Lapidary Cut Crystal	...	...	...	...	...	10/9	12, 9
	Ditto ditto Amber	...	...	...	...	...	12/9	14, 9
	Plain Round Opal	...	...	...	...	...	7/-	8/-
	Opal Octagon Pointed	...	...	...	...	...	9/-	10/6
	Green ditto	...	...	...	...	...	12/-	14/-
	Black ditto	...	...	...	...	...	9/-	10/6
	Crystal Octagon, Flat Top	...	...	...	...	...	10/9	12/9
	Black ditto ditto	...	...	...	...	...	10/6	12/6
	Painted Octagon, Gilt Opal	...	...	...	...	...	10/6	12/6
	Ditto ditto Grecian Border	...	...	...	...	...	14/6	17, 6
	Flat-pointed Octagon, Double Gothic Border	...	...	...	...	...	14/-	16/6
	Black and Gilt Opal, Flat Top	...	...	...	...	...	14/-	16/6
	BLANK KEYS.							per doz.
14	Stock Lock, assorted, 7, 8, 9, 10 in.	...	...	...	...	...	2/6	
	Ditto ditto ditto strong	...	...	...	...	...	3/-	
14	Rim Lock ditto 5, 6, 7 in.	...	...	...	...	...	2/-	
	Ditto ditto ditto strong	...	...	...	...	...	2/6	
	Ditto ditto ditto flat bow	...	...	...	...	...	3/-	
	Mortice, 6in., flat bow	...	...	...	...	...	2/6	
	Ditto ditto, strong, flat bow	...	...	...	...	...	3/-	
	Brass Case, assorted, 5, 6, 7 in.	...	...	...	...	...	2/-	
	Ditto ditto ditto strong	...	...	...	...	...	2/6	
	Padlock, ditto 2 to 3 in.	...	...	...	...	...	gross. 15/-	
	Cabinet, ditto ditto	...	...	...	...	...	10/-	
	Ditto ditto ditto flat bow	...	...	...	...	...	11/6	
	Ditto ditto ditto lever	...	...	...	...	...	10/6	
	Trunk Locks, assorted	...	...	...	...	...	7/6	

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.	per doz.
NIGHT LATCHES.		
15	2-keyed, common	8/9
	2 ditto with rivetted flange plate... ..	10/6
	2 ditto with screwed ditto 1 wheel	12/6
	2 ditto ditto ditto brass step ward	14/-
	2 ditto, 2-wheel, diamond brass bushed, screwed flange plate, with Chubb key	14, 6
	2 ditto, brass step ward, flanged plate, lift-up bolt	16/6
	2 ditto, iron ward, screwed flange plate, fancy brass bushed, double handed, Chubb key, strong	16/-
	2 ditto, brass step ward, fluted rim cover plate, screwed cap, fancy brass bushed, Chubb key, well finished	18/6
	2 ditto, brass step ward, fancy moulded case, screwed cap, fancy brass bushed, brass bolt, double handed, with Chubb keys, well finished	18/6
	2 ditto, hook and ward, fluted rim, screwed cap, fancy brass bushed, strong, well finished with Chubb keys	18, 6
	2 ditto, brass step wards, fluted rim, screwed cap, lift-up, with brass moulded slide, and short bolt, strong and well finished	17/6
	2 ditto, screwed flange plate, japanned brass nozzle, strong and well finished, with small keys	21/-
	2 ditto, strong screwed flange plate, with strong brass nozzle, milled, double handed, small Chubb key	21/-
	2 ditto, moulded case, screwed cap, strong brass nozzle, milled, well finished, brass bolt, double handed, small Chubb key	23/-
	2 ditto, three iron wards, extra strong and broad, fluted rim, screwed cap, with large fancy brass bush, well finished	23/-
	2 ditto, brass T and ward, large, fancy brass bushed, fluted rim, screwed cap, strong flat bow, key to lock	26/-
	2 ditto, brass nozzle, milled, and brass bolt, sham Bramah, with small Chubb key	30/-
	2 ditto, two iron ward, extra strong ward, fluted rim, screwed cap, with large fancy bush, flat bow keys, well finished	28/6
	2 ditto, brass solid wards, fluted rim, screwed cap, with fancy bush, strong and well finished, to lock	35/-
	2 ditto, T and two iron ward, strong, fluted rim, screwed cap, large fancy bushed, double handed, with large brass escutcheons to match	35/-
	2 ditto, brass bridge, and brass sash wards, brass fancy bushed, fluted rim, screwed cap to lock, superior finish	38/-
	2 ditto, Chubbs', 4 in. 14/- 5 in. 15/- 6 in. 16/- each.	
Extra keys, 2/- each.		

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.			
16	TRUNK LOCKS.			
	Cast keyed, common	per doz. 2½ in.	per doz. 3 in.	per doz. 3½ in.
	Ditto one wheel			per doz. 4 in.
	Japanned, fancy key	1/2	1/3	1/6
	Ditto ditto brass drop	1/3	1/5	1/8
	Ditto ditto brass bush, no drop	1/-	1/1	1/2
	Ditto ditto 1 wheel	1/1	1/2	1/3
	1 wheel, fancy hasp, brass drop	1/2	1/3	1/4
	1 ditto, fancy key, ditto	1/2	1/3	1/4
	1 ditto, wrought key, fancy brass drop	1/3	1/4	1/5
	2 copper wheel, plain bit, round bush and brass drop	2/-	2/-	2/2
	2 ditto wheel, round bushed, fancy brass bar, japanned, well finished	2, 8	2/8	2/10
	2 ditto wheel, round bush, japanned tumbler	3/9	3/9	4/3
	2 brass wheel and nose ward milled key hole, large brass drop, thick pinned tumbler, extra strong, superior finish	6/10	6/10	7/6
	3 copper wheel, clear brown japanned tumbler, brass bar and bushed		4, 3	4/9
	1 wheel high, brass bush, fancy shape		5/3	5/9
	Bramah's patent, milled bush		8, 9	9/6
	1 copper wheel, tumbler, with fancy brass work on front		7/9	8/3
	2 ditto wheel, tumbler, round milled bush, extra strong		7/9	8/3
	3 ditto wheel, tumbler, milled nozzle bush extra strong, extra large hasps		11/-	11/6
	2 ditto wheel, tumbler, large milled bush extra strong, with extra large hasps, double bolts		11/6	12/-
	BRASS TRUNK LOCKS.			
	1 wheel, with fancy hasp, brass drop		4/-	4/9
	1 ditto, with wrought fancy key		4/4	5/2
	1 brass wheel, brass drop, with strong cast brass hasps		4/9	5, 6
	1 ditto wheel, with raised fancy milled bush, strong cast hasps, lacquered		6, 9	7/9
	2 ditto wheel, oval large bush, and large fancy brass drop, strong cast hasps, lacquered well finished		7/9	9/-
				10/-

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.			
BRASS TRUNK LOCKS (continued).				
		per doz. 3 in.	per doz. 3½ in.	per doz. 4 in.
	1 brass wheel, oval oval brass bushed, with strong cast hasps, tumbler	6/-	7/3	8/-
	2 ditto wheel, thick pinned, short bit, large brass drop, strong cast hasps, well-finished tumbler	9/-	10/-	11/-
	2 copper wheel, thick pinned, milled keyhole, large fancy brass drops, strong, broad cast hasps, strong plates, best key, superior quality tumbler	11/9	13/-	14/3
	Brass ward, tumbler, milled bush, superior finish	13/9	15/-	16/3
	3 copper wards, tumbler, milled bush, extra strong, extra large and strong hasps, superior finish	17/6	18/9	20/-
	2 ditto wards, tumbler, extra strong, large milled bush, extra large hasp, double bolt, superior finish	17/6	18/9	20/-
	Bramah's patent, milled bush	18/9	20/-	21/6
IRON CABINET LOCKS.				
		2½ in.	3 in.	3½ in.
17	Chest japanned 1 wheel, single link	1/2	1/2	1/4
	Ditto ditto double link	1/9	1/9	2/-
	Ditto bright rivetted 1 wheel, single link	2/-	2/3	2/6
18	Ditto ditto 2 ditto, double link	3/-	3/3	3/6
	Ditto ditto 3 ditto ditto	4/-	4/3	4/6
	Ditto screwed 2 ditto ditto	3/3	3/6	3/9
	Ditto ditto 3 ditto ditto	4/3	4/6	4/9
	Ditto ditto 4 ditto ditto	6/6	6/6	6/6
	If fancy bitted, 6d. per dozen extra. If tumbler, 1/6 " "			
IRON TILL.				
19	Plain open cap, short bit	1/6	1/6	1/6
	Ditto bright ditto	1/8	1/8	1/8
	1 wheel bright cap	1/10	1/10	1/10
	2 ditto ditto	2/-	2/-	2/-
	1 ditto ditto double keyhole	2/1	2/1	2/1
	2 ditto fancy, capped up bright cap	2/3	2/3	2/3
	2 copper wheel, fancy broad bolt, screwed	3/3	3/3	3/3
	3 ditto fine ditto ditto	6/-	6/-	6/-
	1 ditto tumbler	5/9	5/9	5/9
21	2 wheel fancy screwed tumbler	4/3	4/3	4/3

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.							
IRON TILL (continued).					per doz.	per doz.	per doz.	
FINE TUMBLER.					2½ in.	3 in.	3½ in.	
	2	copper wheel	S bitted, broad bolt	...	6/6	6 6	6/6	
	1	ditto	ditto and broad brass wheel, broad bolt	...	6/9	6 9	6/9	
	3	ditto	ditto fancy bitted, broad bolt	...	7,9	7,9	7/9	
	2	ditto	ditto and broad brass wheel, broad bolt	...	7,9	7 9	7/9	
	3	ditto	ditto and hook ward, broad bolt...		9/3	9 3	9,3	
	3	ditto	ditto and hook and nose ward, broad bolt	...	12 -	12 -	12/-	
IRON CUPBOARD.								
26		Japaned, flat bow key, double handed	...	...	1 6	1, 6	1 6	
		Ditto 1 wheel, fancy bitted key	...	...	2 3	2 3	2 3	
		Bright rivetted, 1 wheel	...	...	2 -	2 3	2 6	
		Ditto ditto 2 ditto	...	...	3 -	3 3	3, 6	
		Ditto ditto 3 ditto	...	...	4 -	4 3	4 6	
		Screwed, 2 wheel	...	...	3 3	3, 6	3, 9	
		Ditto 3 ditto	...	...	4 3	4 6	4 9	
		Ditto 4 ditto	...	...	6 6	6 6	6 6	
		If fancy bitted, 1/- per dozen extra.						
		If tumbler, 1/6 " "						
BRASS CABINET LOCKS.								
17		Box or Chest, back spring single link,		per doz. 2 in.				
		common	...	1/9	2 9	3 9	4 9	
		Ditto ditto ditto medium	...	3 -	4/-	5	6 -	
		Ditto ditto ditto best	...	4 6	5 6	6 6	7, 6	
18		Ditto ditto double link, common	...	5, -	6 -	7 -	8 -	
		Ditto ditto ditto best	...	6, 6	7, 6	8 6	9, 6	
18		Ditto Tumbler ditto common	...	7 -	8 -	9 -	10 6	
		Ditto ditto ditto medium	...	11 -	12 -	13 -	14 6	
		Ditto ditto ditto best	...	19 -	20 -	21 -	22 6	
19		Till, 1-bolt back spring, common	...	2, -	3	4, -	5 6	
		Ditto 1 ditto ditto medium	...	2 9	3 9	4 9	6 3	
		Ditto 1 ditto ditto best	...	3 3	4 3	5 3	6, 9	
20		Ditto 2 ditto ditto common	...	3 6	4 6	5 6	7 6	
		Ditto 2 ditto ditto best	...	5	6 -	7	9	
21		Ditto Tumbler	...	common	5 6	6 6	7, 6	9 6
		Ditto ditto	...	medium	9 6	10 6	11 6	13 6
		Ditto ditto	...	best	17 6	18 6	19 6	21 6

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.									
BRASS CABINET LOCKS (continued).						per doz. 2 in.	per doz. 2½ in.	per doz. 3 in.	per doz. 3½ in.	
22	Cut Cupboard, 1-bolt bk. spring comn.					1, 9	2, 9	3/9	4/9	
	Ditto	ditto	1	ditto	best ...	2/9	3, 9	4/9	5, 9	
23	Ditto ditto 2 ditto common					3/-	4/-	5/-	6/-	
	Ditto	ditto	2	ditto	best ...	5/-	6/-	7/-	8/-	
24	Ditto Tumbler ... common					5/6	6/6	7, 6	8/6	
	Ditto	ditto			medium	10/6	11/6	12, 6	13/6	
	Ditto	ditto			best ...	17/6	18/6	19/6	20/6	
	Straight cup'd 1 bolt bk. spring comn.					2/6	3, 6	4/6	5/6	
	Ditto	ditto	1	ditto	best ...	3/6	4/6	5/6	6/6	
25	Ditto ditto 2 ditto common					4/-	5/-	6/-	7/-	
	Ditto	ditto	2	ditto	best ...	6/-	7/-	8/-	9/-	
	Ditto	Tumbler			common	6/6	7/6	8/6	9/6	
	Ditto	ditto			medium	11/-	12/-	13/-	14/-	
	Ditto	ditto			best ...	17/6	18/6	19/6	20/6	
26	Double-handed Straight Cup'd									
	Tumbler	...	...	...	common	7/-	8/-	9/-	10/-
	Ditto	ditto		ditto	medium	11/-	12/-	13/-	14/-	
	Ditto	ditto		ditto	best ...	18/-	19/-	20/-	21/-	
27	Link-plate Cupboard Tumbler comn.					7/-	8/-	9/-	10/-	
	Ditto	ditto		ditto	medium	11/-	12, -	13/-	14/-	
	Ditto	ditto		ditto	best ...	19/-	20/-	21/-	22/-	
	Barron's, Box, Till, and Cupboard ...					26/-	26/-	27/-	28/-	
	Nozel Sham Bramah, Box, Till and Cupboard ...					12/-	13/-	14/-	15/6	
BRASS LEVER CABINET LOCKS										
					2 in.	2½ in.	3 in.	3½ in.	4 in.	
	2-lever Till... ..					12/-	14/-			
	2 ditto double-handed Cupboard					16/-	17/6	20/-	22/6	
	4 ditto Box	...	} Ruxton's, Hobbs', and other Patents.		20/-	21/-	24 -			
	4 ditto Till	...			21/-	21/-	22 -			
	4 do. D.H. Cup'd.				18, 6	20/-	24, -	27/-	30/-	
	If 2-keyed, 3/6 per dozen extra.					each.	each.	each.	each.	
	Chubbs' Box, 2-keyed ...					11/-	11/6	12, 6	13/-	14/6
	Ditto Cash Box, ditto ...					13, -	13/6	14, 6	15/-	16/6
	Ditto Till, ditto ...					10, 6	11/-	11, 6	14/-	15/-
	Ditto Cupboard, ditto ...					10, -	10/6	11/-	11/-	12/-
	If to shut with a spring, 3/- each extra.									

LOCKS AND PADLOCKS (continued).

No. of Drawing	APPROXIMATE NETT PRICES.								
BRASS LETTER LOCKS									
	(Subject to a discount of %)				per doz. 3-ring.	per doz. 4-ring.	per doz. 5-ring.	per doz. 6-ring.	per doz. 7-ring.
28	Common	...	...	...	12/-	14/-	16/-	18/-	
	Milled	...	...	...	16/-	18/-	20/-	24/-	
29	Best changeable, 1½ in. long...					75/-	87/-		
	Ditto	ditto	1½	ditto ...		78/-	90/-	102/-	
	Ditto	ditto	1¾	ditto ...		81/-	96/-	108/-	120/-
	Ditto	ditto	2	ditto ...		90/-	102/-	114/-	126/-
	Ditto	ditto	2¼	ditto ...		each. 9/-	each. 10/-	each. 11/-	each. 12/-
	Ditto	ditto	2½	ditto ...		11/-	12/-	13/-	14/-
IRON PADLOCKS.									
					per doz. 1½ in.	per doz. 2 in.	per doz. 2½ in.	per doz. 2¾ in.	per doz. 3 in.
1	Fancy Registered, top screw...					3/3	3/6	3/9	4/6
2	Ditto barrel							2/-	
3	Ditto screw							1/10	
4	Ditto tumbler				2/-	2/2	2/4	2/6	3/3
	Ditto ditto, wrought key ..				2/4	2/4	2/6	2/9	3/6
5	Ditto 1-wheel, cast key ...				1/3	1/6	1/9	2/-	2/6
6	Ditto Registered, side screw					2/6	2/8	2/9	3/9
7	Iron and brass, various qualities								
8	Ditto ditto ditto								
9	Ditto ditto ditto								
For prices of No. 7, 8, and 9, see pp. 56 and 57.									

LOCKS AND PADLOCKS (continued).

No of Drawings	APPROXIMATE NET PRICES.											
	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.
JAPANNED IRON PADLOCKS.												
1-wheel cast key ...	1 1/2 in.	2 in.	2 1/2 in.	2 3/4 in.	3 in.	3 1/2 in.	4 in.	4 1/2 in.	5 in.	5 1/2 in.	6 in.	
ditto ditto brass drop	- 8	- 11	- 11	1 1/4	1 7/8	...	...	...	...	...
ditto ditto	- 9	- 11	- 11	1 1/2	1 8/8	...	...	...	...	...
ditto ditto and bush	- 11	1 1	1 2	1 4	1 10	...	...	...	...	...
1-wheel wrought key, brass drop and bush	1 -	1 2	1 3	1 5	1 11	...	...	...	...	...
1 ditto ditto Z bit	1 4	1 6	1 8	2	2 6	...	...	...	...	...
1 ditto ditto ditto	2 3	2 3	2 6	2 8	3 4	...	...	...	...	...
tumbler, 4 keys to dozen	3 -	3 -	3 3	3 6	4 -	...	...	...	...	...
1-wheel wrought key, fancy bush	3 8	3 8	4	4 3	5 3	...	...	...	...	...
1 ditto ditto ditto extra strong	
If 12 kinds in dozen, 6d. per dozen extra.												
2 brass wards with full bit best keys, large brass drops and bushes, spring and tumbler, six different kinds in the dozen ...	4 6	4 6	5 -	5 3	6 -	6 6	7 3	9 9	14 3	22 -	30 -	53 -
Extra good and strong locks and keys, best finish, with brass wards, wheels and bridge wards, with full brass bushes and drops, spring and tumbler, 6 different kinds in the dozen ...	6 6	6 6	7 3	7 9	9 -	10 6	11 9	15 9	21 -	28 9	38 -	64 -
Very strong extra full warded, very best make and finish, with best full-warded keys and extra best brass drops and bushes, spring and tumbler, 6 different kinds in the dozen	14 3	15 -	16 3	17 6	19 -	22 9	30 -	39 -	50 -	78 -
Barron's best patent, superior finish, with full bit keys	19 -	20 -	21 -	22	23 6	28 9	37 -	47 -	58 6	72 -
3-lever, 2 keyed, to differ, very best make	27 -	27 -	28 -	...	31 -	40 -	51 -	64 6	80	87 -
4 ditto ditto	30	30	31 -	32 6	34 6	44 -	55 -	70	85 -	
6 ditto ditto	37 -	37 -	38 -	...	44 -	53 -	64 6	76 -	94 -	

LOCKS AND PADLOCKS (continued).

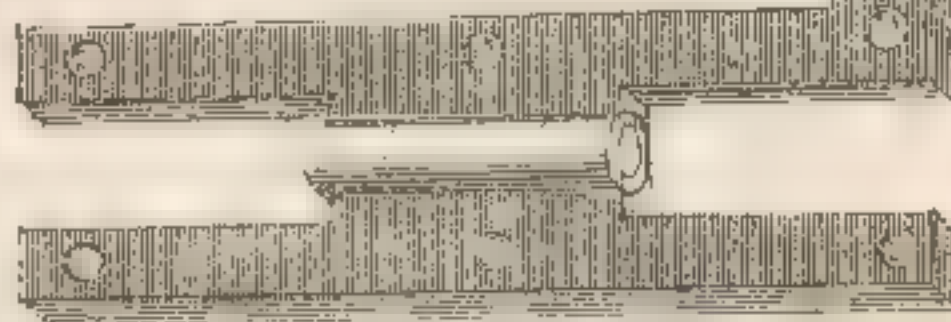
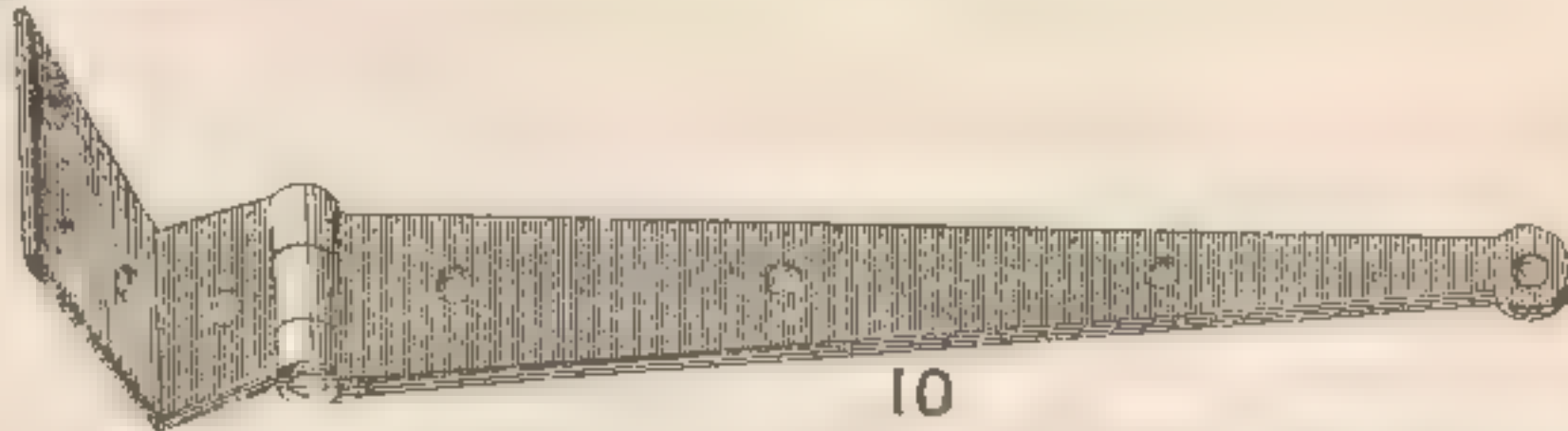
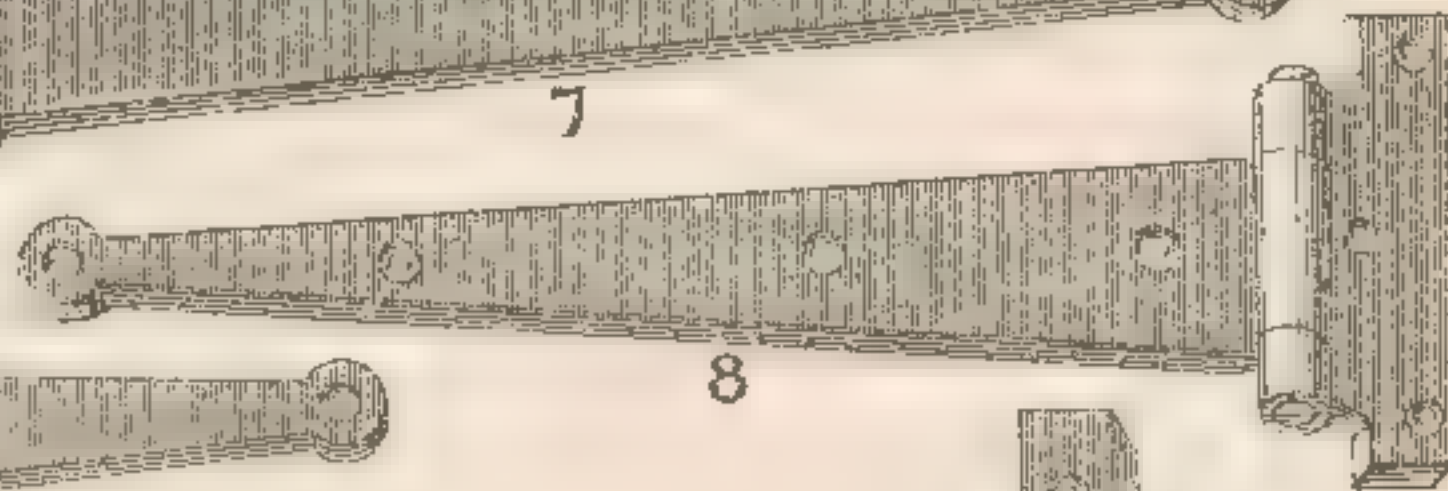
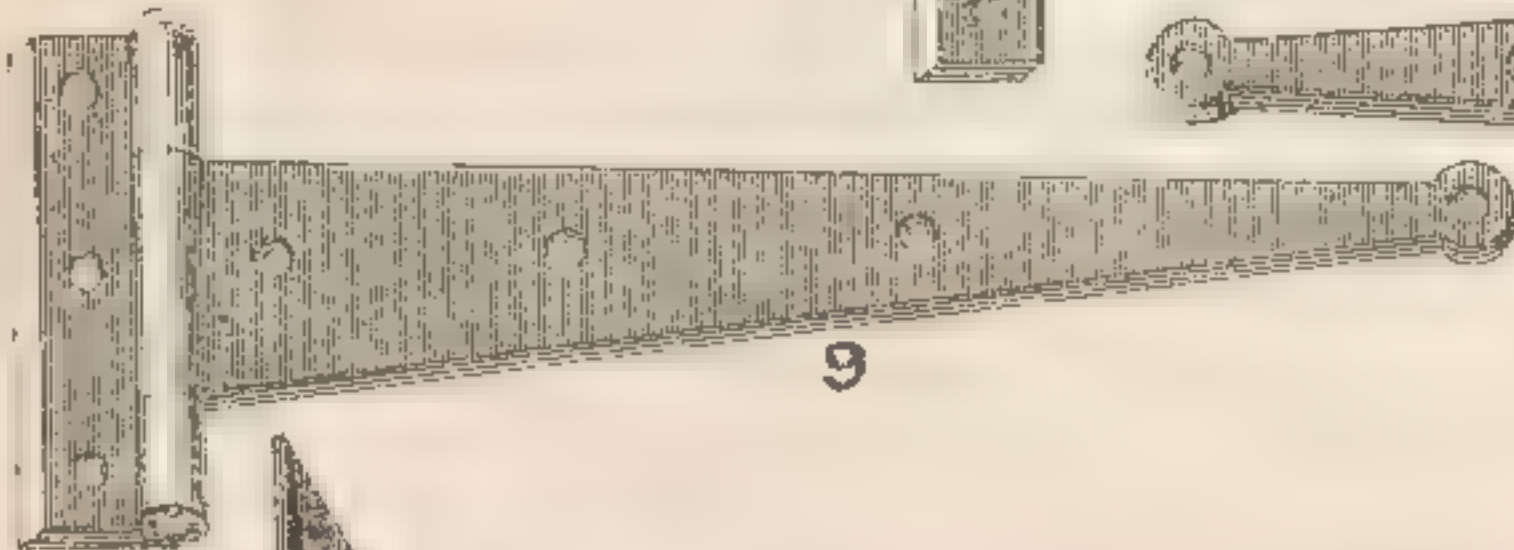
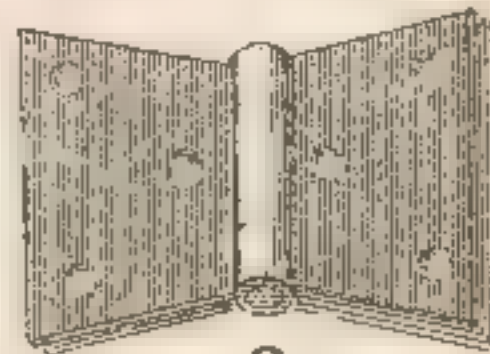
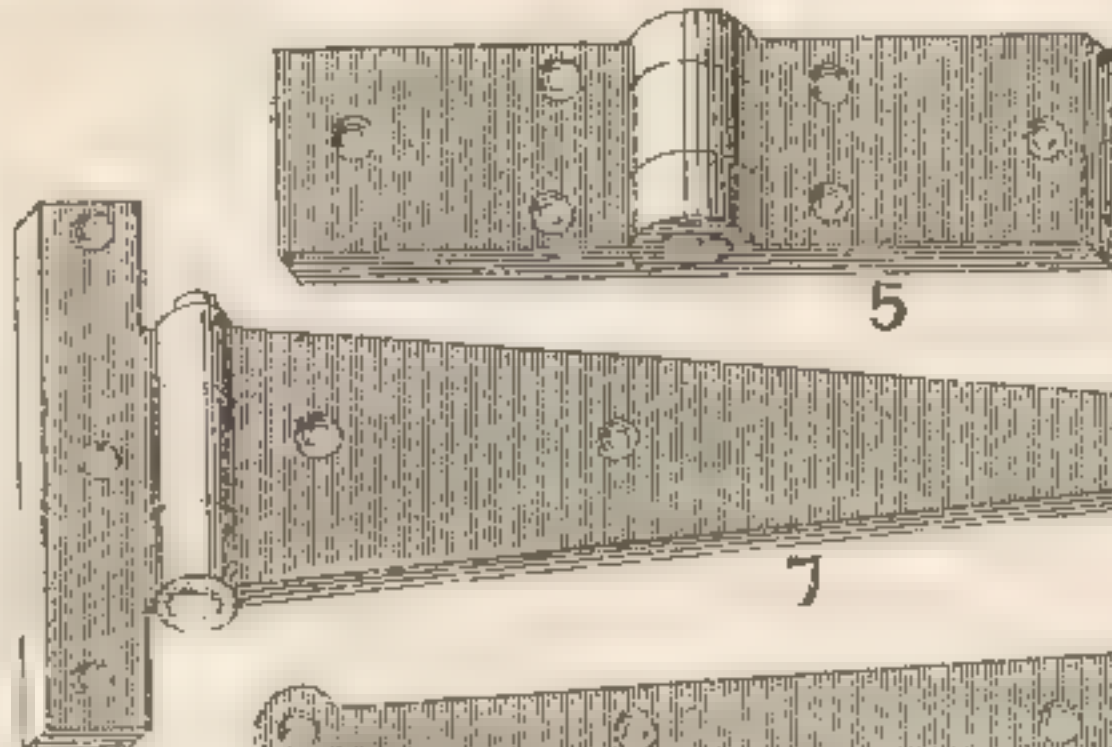
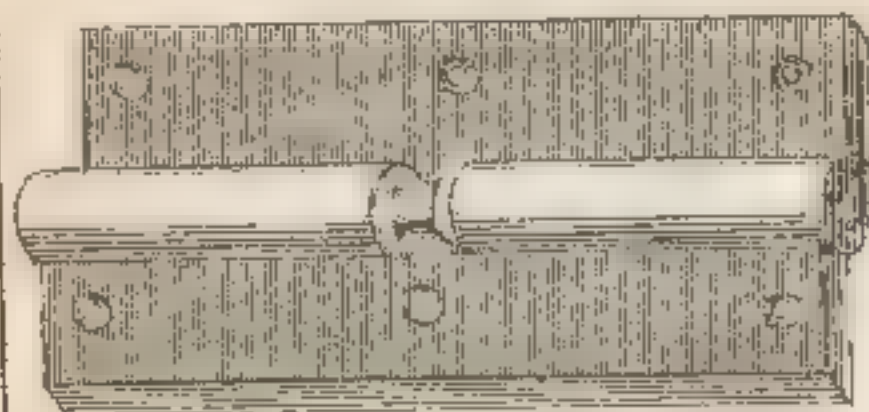
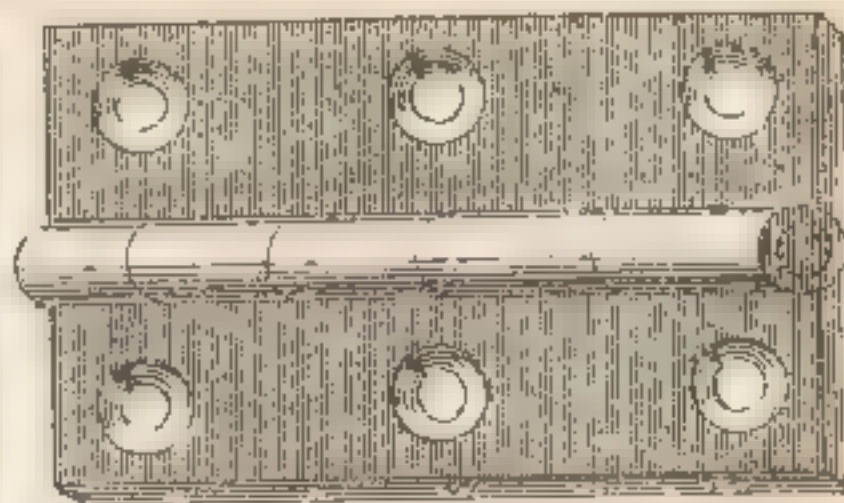
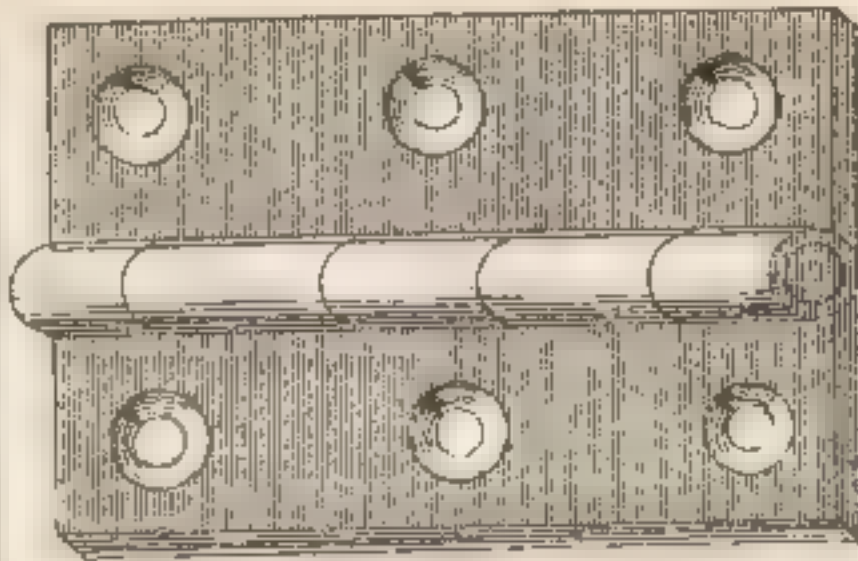
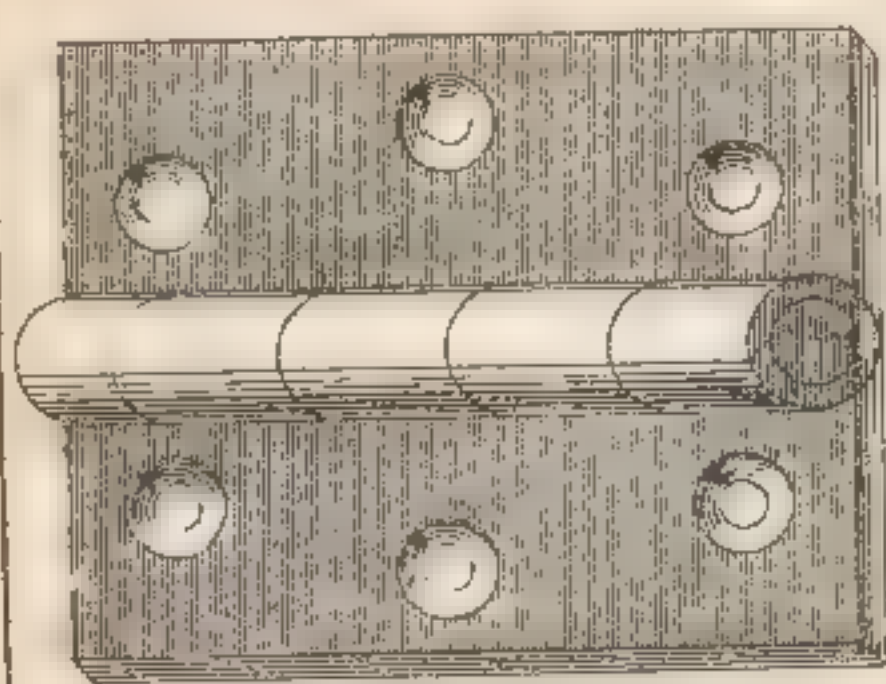
No. of Drawing	APPROXIMATE NETT PRICES.									
	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.
JAPANNED IRON PADLOCKS.										
(CONTINUED).										
1 ditto "Tucker's" patent	1½ in.	1½ in.	2 in.	2½ in.	2 in.	2½ in.	2 in.	3 in.	4 in.	
2 ditto ditto	...	...	...	21	...	23	...	36 6	46	
3 ditto ditto	...	...	...	23	...	25	...	39/-	48/-	
4 ditto ditto	...	...	...	25/-	...	27/-	...	41/6	50/6	
If double plated 3 in. and under, 3/6; over 3 in. 6/- doz. ex.	...	...	...	27/6	...	30/-	...	44/-	53/-	
If galvanized 2½ in. and under, 2/6; over 2½ in. 3/6 "	...	...	...	...	...	...	...	...	...
BRASS PADLOCKS.										
1-wheel taper back spring	1 in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	4 in.
1 ditto ditto better finish	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
1 ditto ditto thick pinned	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
1 ditto Tumbler	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
1 ditto ditto better finish	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
1 ditto ditto fancy and stronger	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
2 ditto ditto	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
3 ditto ditto	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
Hook ward	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
T ward	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
1-lever, common	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
4 ditto strong, best finish	1½ in.	1½ in.	1½ in.	1½ in.	2 in.	2 in.	2½ in.	2½ in.	3 in.	
Cotterill's Climax Detector, 2-keyed	11/-	11/-	11/6	12/6	13/6	14/6	15/6	16/6	17/6	26/-
Chubb's Patent Lever, 2-keyed	11/-	12/-	12/6	13/-	14/6	15/6	16/6	17/-	19/-	30/-

HINGES AND BOLTS.

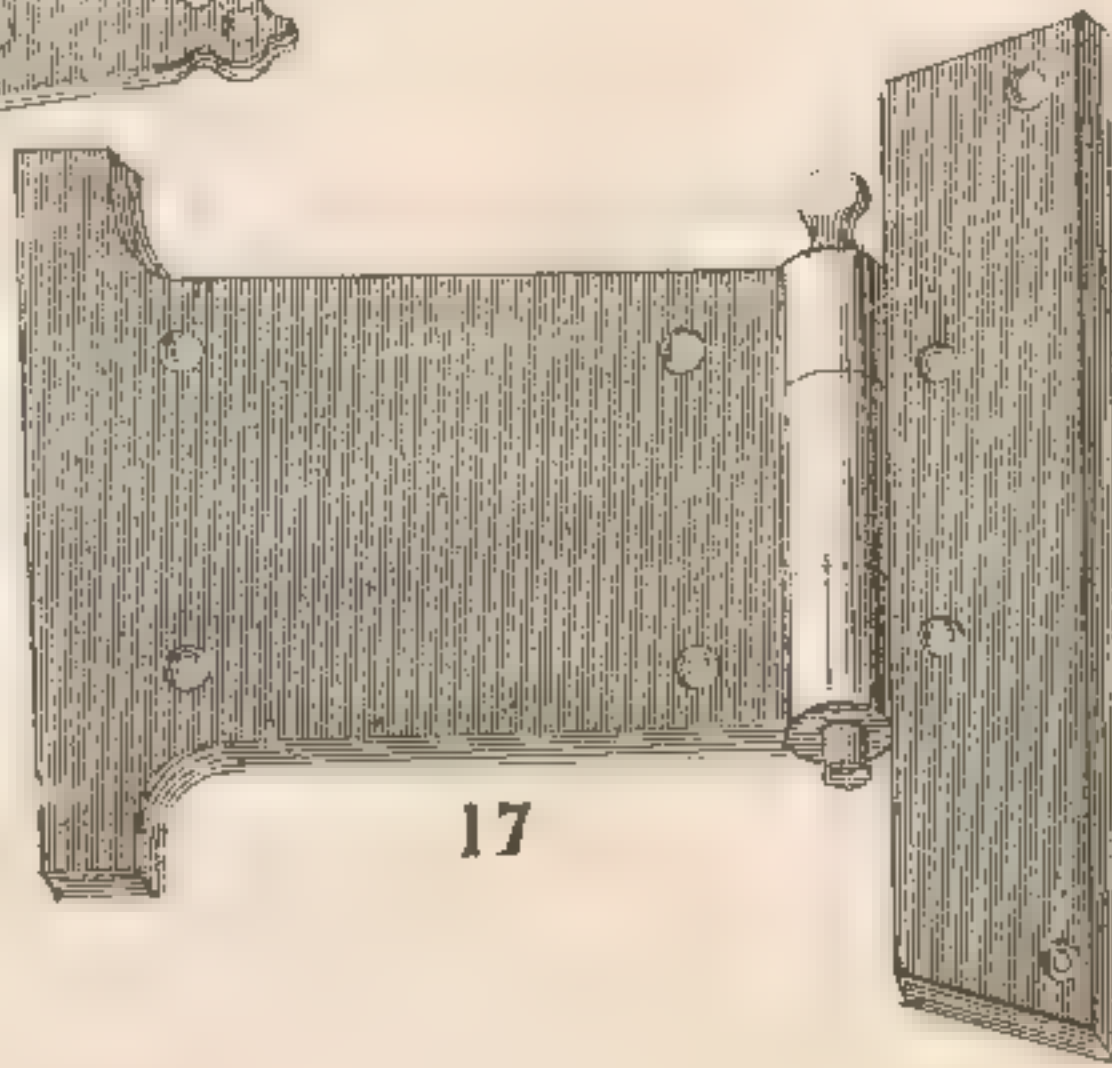
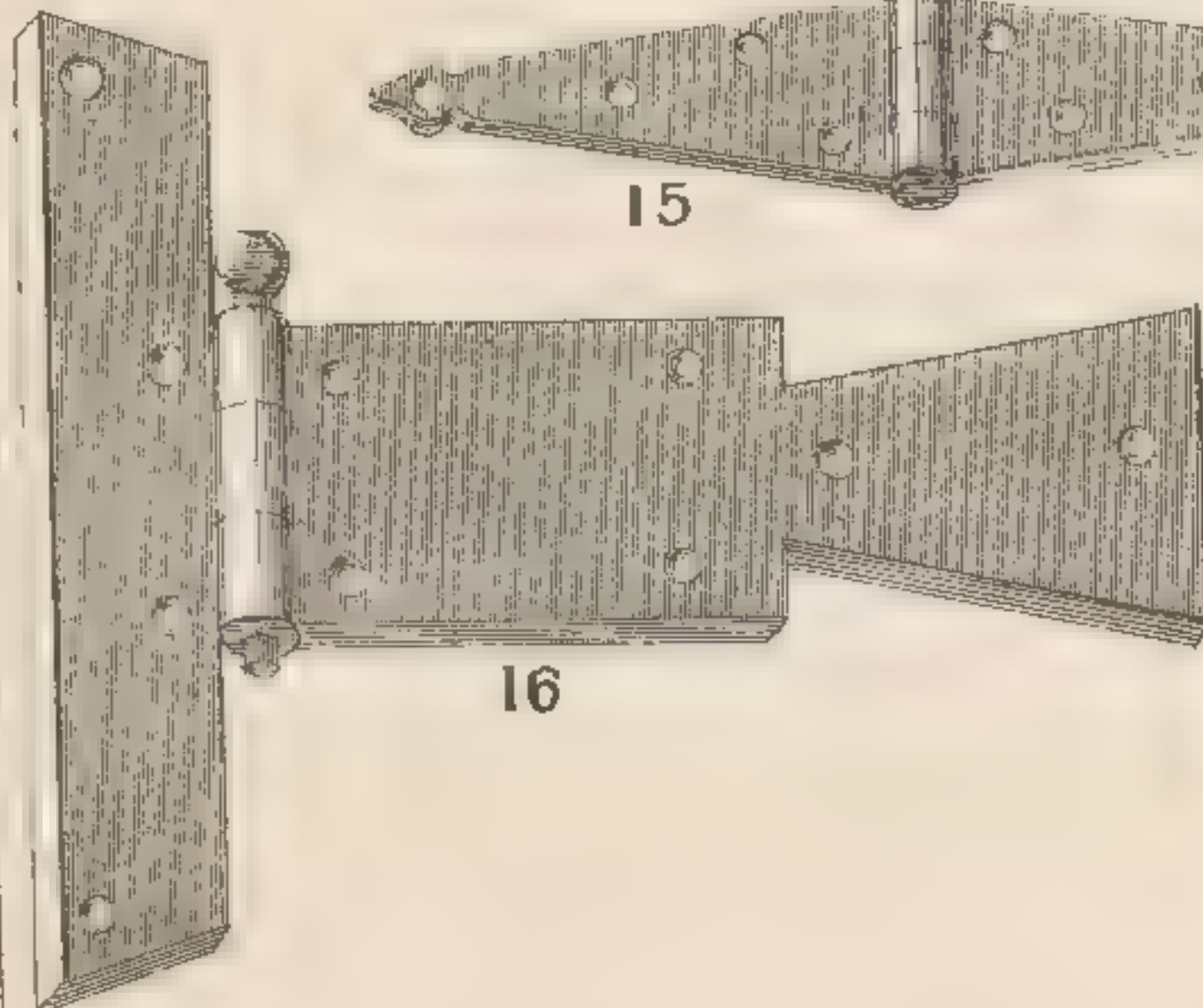
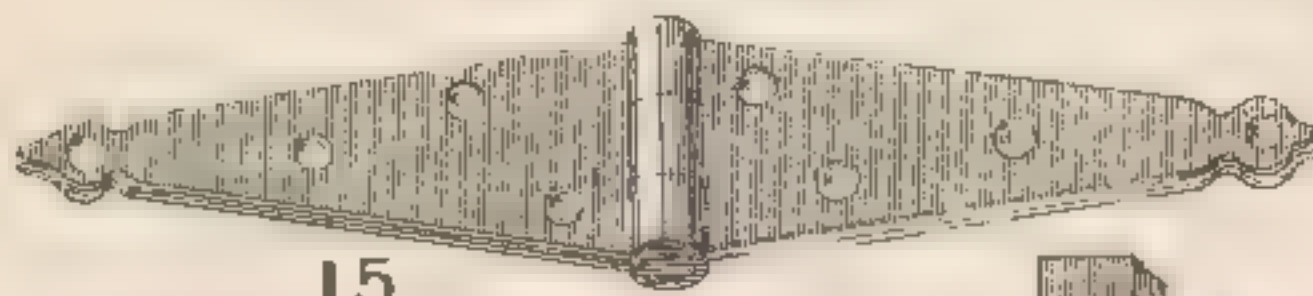
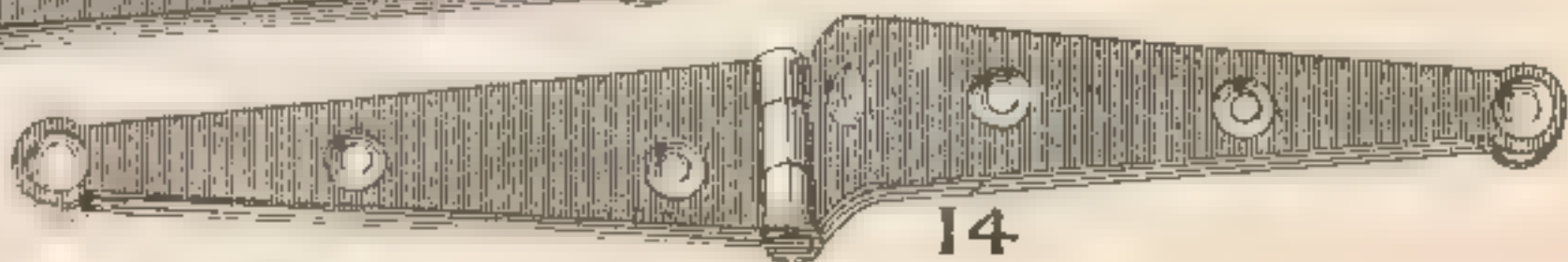
No. of Drawing.	DESCRIPTION.
PATENT WROUGHT-IRON HINGES.	
1	Strong Edge Butt, 3 in. drawn half size
2	Medium ditto ditto
3	Light ditto ditto
4	Bright Loose Butt
5	Back-flap
6	Ditto dovetail
7	Best Lancashire T
8	Improved Japanned X Garnett
9	Japanned Scotch T
10	Chest Hinge
11	H Hinge
12	HL ditto
13	Straight Strap
14	Bent ditto
15	Weighty ditto
16	Dovetail
17	Balcony
18	Portugese Box
19	Hook and Hinge on plate, extra light, japanned
20	ditto to drive, light, ditto
21	ditto on plate, weighty, ditto
22	ditto to drive, ditto
23	ditto on plate, ditto, Gothic ditto
24	ditto to drive, ditto ditto ditto
25	X Garnett ditto ditto
26	Scotch T weighty ditto ditto
27	Parliament
28	Hasp and Staple, strong
29	ditto light
30	ditto Door
31	Common Round Bolt
32	Tower Bolt, solid end
33	Barrel Bolt
34	Strong Square Spring, bow handle
35	South American ditto ditto



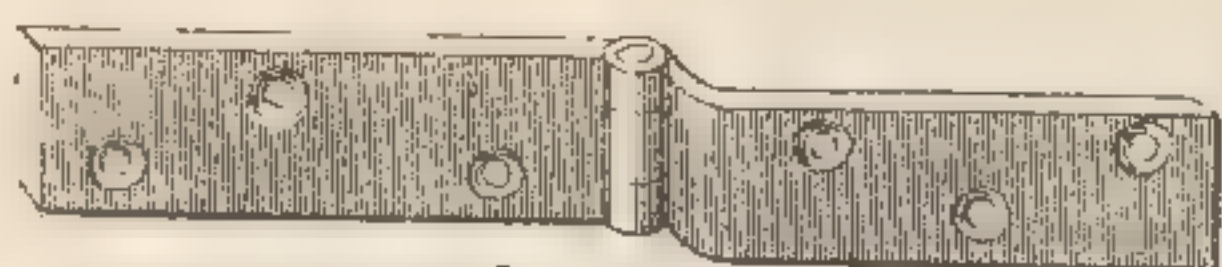
HINGES & BOLTS



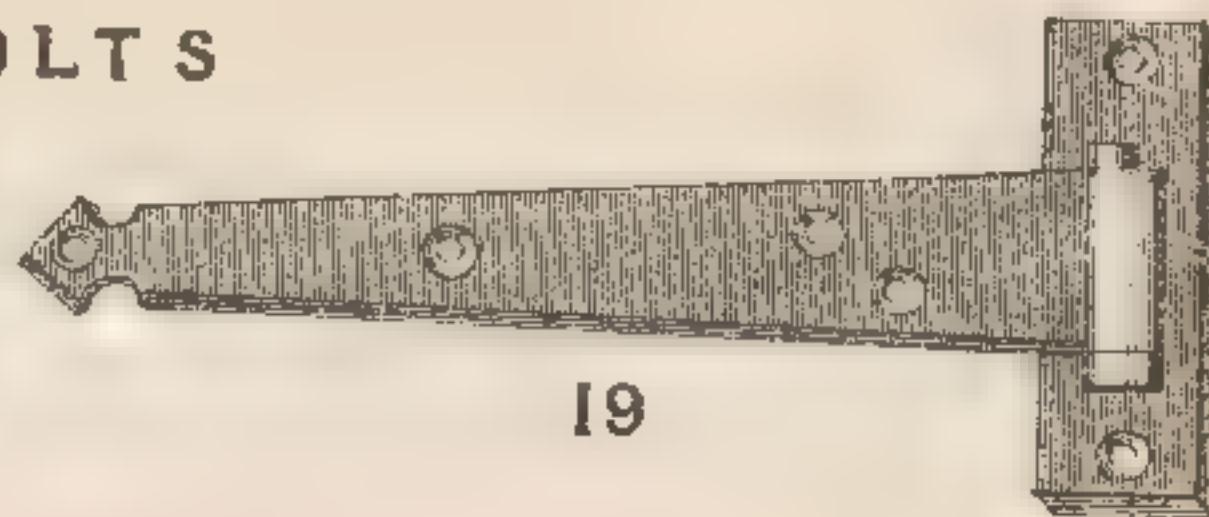
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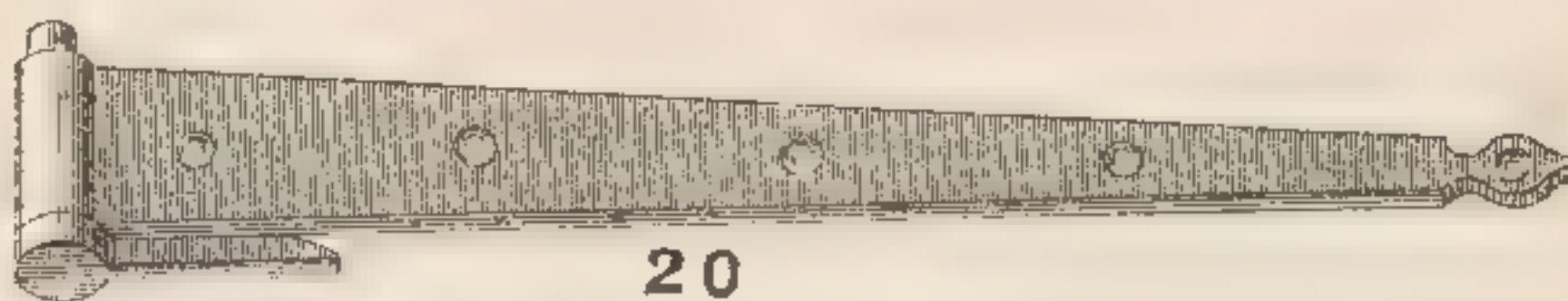
HINGES & BOLTS



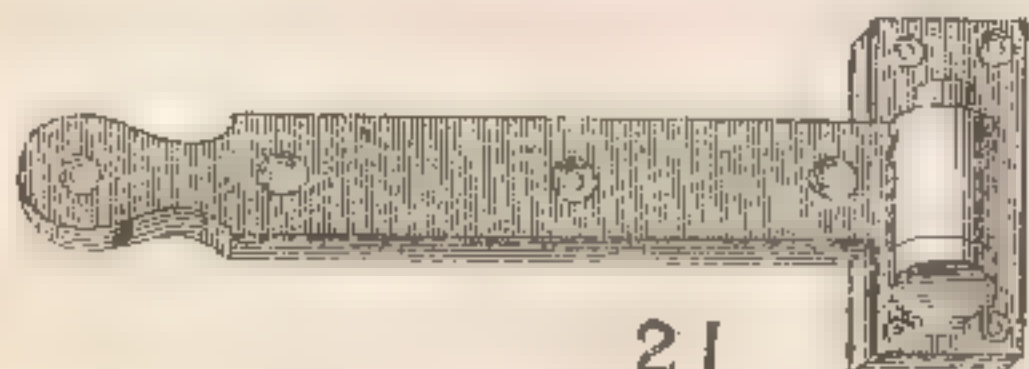
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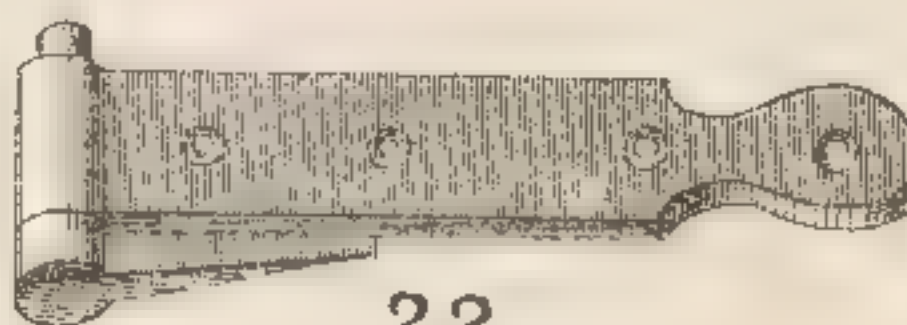
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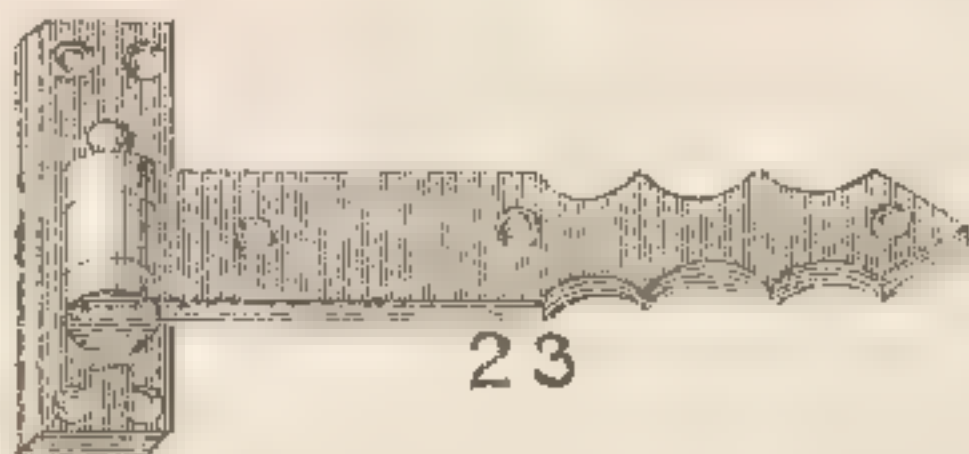
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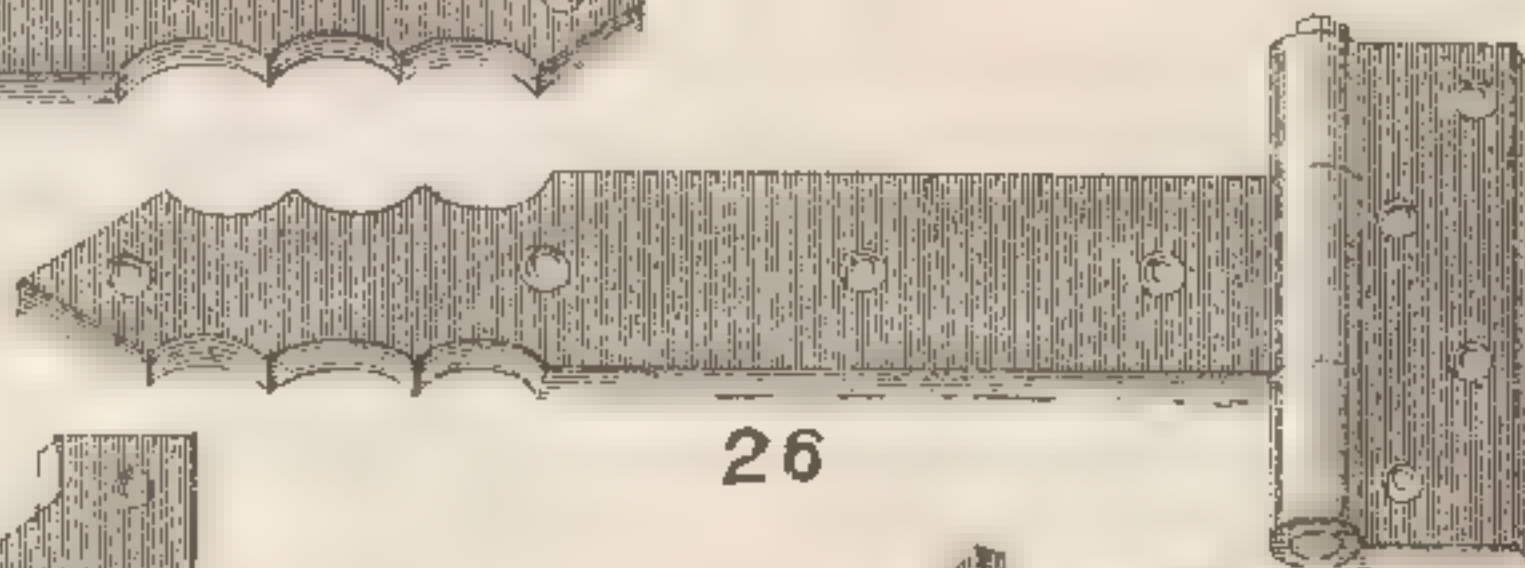
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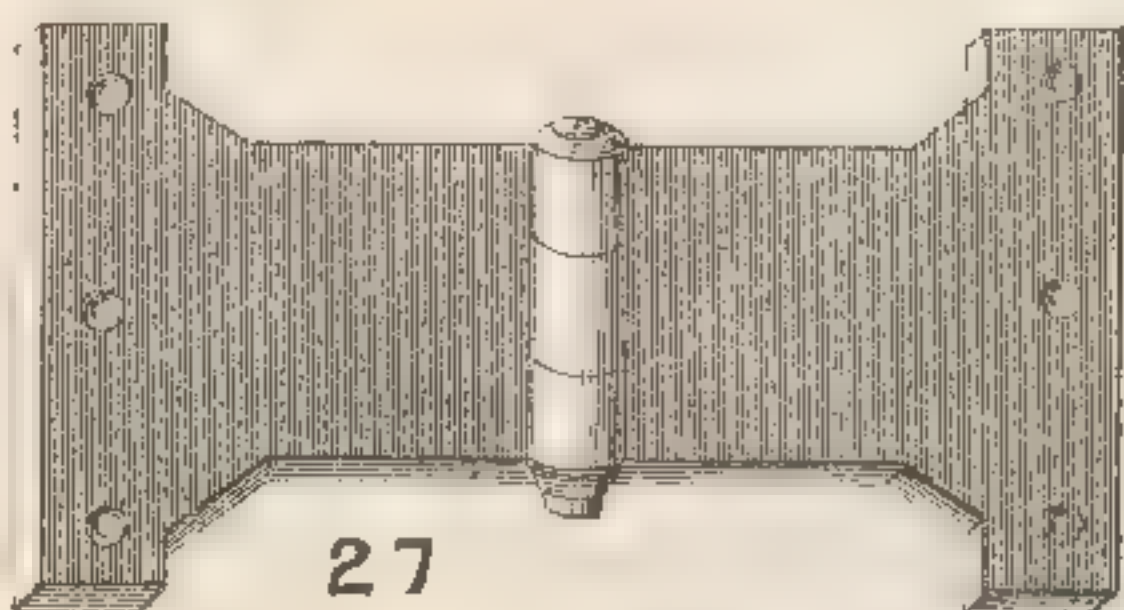
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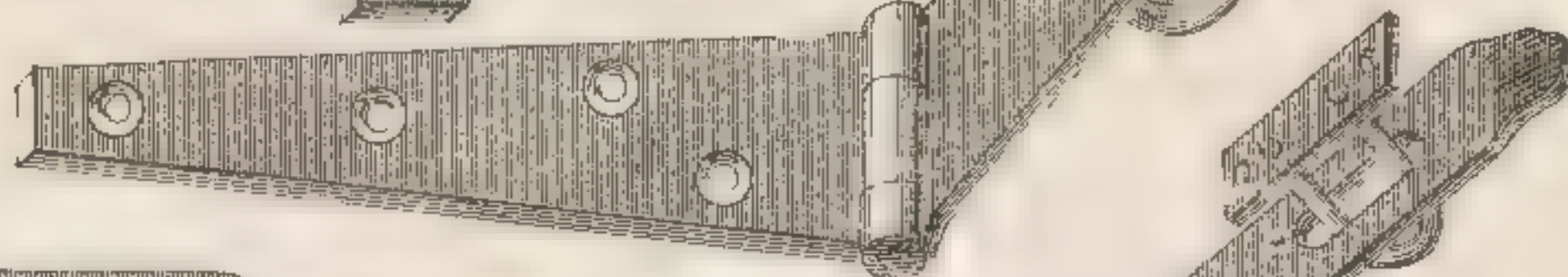
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HINGES AND BOLTS (continued).

PATENT WROUGHT IRON HINGES.

EDGE BUTTS. PER DOZEN PAIRS.				8 X GARNETT. PER DOZ. PAIRS.				9 JAPANNED SCOTCH T. PER DOZ. PAIRS.			
		s.	d.			s.	d.			s.	d.
1	inch.	1	8	1	8			6	inch	5	6
1 1/4	"	1	9	1	9	6	inch	3	8	5	6
2	"	2	0	1	10	8	" No.	3	11	8	"
2 1/4	"	2	1	2	2	10	"	4	4	9	"
2 1/2	"	2	8	2	7	12	"	5	0	10	"
2 3/4	"	3	2	3	2	14	"	6	2	12	"
3	"	3	9	3	9	16	"	8	0	14	"
3 1/4	"	4	10	4	4	17	"	9	10	15	"
3 1/2	"	5	6	5	3	18	"	12	1	16	"
3 3/4	"	6	2	6	9	20	"	14	11	18	"
4	"	6	6	6	3	22	"	16	0	20	"
4 1/4	"	9	6	9	6	24	"	18	8	22	"
5	"	12	0	10	6	30	"	10	32	24	"
6	"	17	0	15	6						
7	"			1	6						

BRIGHT LOOSE PER DOZ. PAIRS.				DOVETAIL BACKFLAPS. PER DOZ. PAIRS.				CHEST. DOZ. P.S.			
		s.	d.			s.	d.			s.	d.
1 1/2	inch.	2	6	6	3/4	inch.	...	4 and 5 inch	...	3	6
1 3/4	"	2	9	1	1	"	...	6 inch	...	4	0
2	"	3	0	1 1/4	"	...	...	7	"	4	6
2 1/4	"	3	6	1 1/2	"	...	...	8	"	5	6
2 1/2	"	4	0	1 3/4	"	...	...	9	"	6	6
2 3/4	"	4	6	2	"	...	...	10	"	7	6
3	"	5	0	2 1/4	"	...	...	11	"	8	6
3 1/4	"	6	3	2 1/2	"	...	...	12	"	9	0
4	"	8	9	2 3/4	"	...	...	13	"	10	0
4 1/2	"	12	0	3	"	...	...	14	"	11	0
5	"	16	3	3 1/4	"	...	...	15	"	12	0
				3 1/2	"	...	...	16	"	13	0
				4	"	...	...	17	"	14	0
				5	"	...	...	18	"	15	0
				6	"	...	...	19	"	16	0
				7	"	...	...	20	"	17	0
				8	"	...	...	21	"	18	0
				9	"	...	...	22	"	19	0
				10	"	...	...	23	"	20	0
				11	"	...	...	24	"	21	0
				12	"	...	...	25	"	22	0
				13	"	...	...	26	"	23	0
				14	"	...	...	27	"	24	0
				15	"	...	...	28	"	25	0
				16	"	...	...	29	"	26	0
				17	"	...	...	30	"	27	0
				18	"	...	...	31	"	28	0
				19	"	...	...	32	"	29	0
				20	"	...	...	33	"	30	0
				21	"	...	...	34	"	31	0
				22	"	...	...	35	"	32	0
				23	"	...	...	36	"	33	0
				24	"	...	...	37	"	34	0
				25	"	...	...	38	"	35	0
				26	"	...	...	39	"	36	0
				27	"	...	...	40	"	37	0
				28	"	...	...	41	"	38	0
				29	"	...	...	42	"	39	0
				30	"	...	...	43	"	40	0
				31	"	...	...	44	"	41	0
				32	"	...	...	45	"	42	0
				33	"	...	...	46	"	43	0
				34	"	...	...	47	"	44	0
				35	"	...	...	48	"	45	0
				36	"	...	...	49	"	46	0
				37	"	...	...	50	"	47	0
				38	"	...	...	51	"	48	0
				39	"	...	...	52	"	49	0
				40	"	...	...	53	"	50	0
				41	"	...	...	54	"	51	0
				42	"	...	...	55	"	52	0
				43	"	...	...	56	"	53	0
				44	"	...	...	57	"	54	0
				45	"	...	...	58	"	55	0
				46	"	...	...	59	"	56	0
				47	"	...	...	60	"	57	0
				48	"	...	...	61	"	58	0
				49	"	...	...	62	"	59	0
				50	"	...	...	63	"	60	0
				51	"	...	...	64	"	61	0
				52	"	...	...	65	"	62	0
				53	"	...	...	66	"	63	0
				54	"	...	...	67	"	64	0
				55	"	...	...	68	"	65	0
				56	"	...	...	69	"	66	0
				57	"	...	...	70	"	67	0
				58	"	...	...	71	"	68	0
				59	"	...	...	72	"	69	0
				60	"	73	"	70	0
				61	"	74	"	71	0
				62	"	75	"	72	0
				63	"	76	"	73	0
				64	"	77	"	74	0
				65	"	78	"	75	0
				66	"	79	"	76	0
				67	"	80	"	77	0
				68	"	81	"	78	0
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				89	"	102	"	99	0
				90	"	103	"	100	0
				91	"	104	"	101	0
				92	"	105	"	102	0
				93	"	106	"	103	0
				94	"	107	"	104	0
				95	"	108	"	105	0
				96	"	...	...	109	"	106	0
				97	"	...	...	110	"	107	0
				98	"	...	...	111	"	108	0
				99	"	...	...	112	"	109	0
				100	"	...	...	113	"	110	0
				101	"	...	...	114	"	111	0
				102	"	...	...	115	"	112	0
				103	"	...	...	116	"	113	0
				104	"	...	...	117	"	114	0
				105	"	...	...	118	"	115	0
				106	"	...	...	119	"	116	0
				107	</						

HINGES AND BOLTS (continued). PATENT WROUGHT IRON HINGES.

12	HL HINGES.	PER DOZ. PAIRS	s	d.
	5 inch	...	6	6
	6 "	...	7	6
	7 "	...	8	6
	8 "	...	10	6
	9 "	...	12	6
	10 "	...	15	6
	11 "	...	17	6
	12 "	...	21	6

13, 14	STRAP HINGE, BENT OR STRAIGHT.	PER DOZ. PAIRS	s	d.
	3 inch ..	...	2	0
	4 " ..	...	2	9
	5 " ..	...	3	9
	6 " ..	...	5	0
	7 " ..	...	6	0
	8 " ..	...	8	0
	9 " ..	...	11	0
	10 " ..	...	13	0
	11 " ..	...	16	6
	12 " ..	...	19	0
	13 " ..	...	21	0
	14 " ..	...	25	0

16	DOVETAILS.	PER CWT. NETT.
	5 inch ..	...
	5½ " ..	...
	6 " ..	...
	6½ " ..	...

17	BALCONY.	PER CWT. NETT.
	2½ inch...	...
	2¾ " ..	...
	3 " ..	...

18	PORTUGUESE BOX.	PER DOZ. PAIRS	s	d.
	4 × 1 inch.	...	1	1
	4½ × 1¼...	...	1	3

19	LIGHT HOOK & HINGE, ON PLATE.	PER DOZ. PAIRS	s	d.
	8 inch	...	4	6
	9 "	...	5	0
	10 "	...	6	0
	12 "	...	8	0
	14 "	...	9	0
	16 "	...	10	0
	18 "	...	11	0
	20 "	...	13	6

20	LIGHT HOOK & HINGE TO DRIVE.	PER DOZ. PAIRS	s	d.
	8 inch	...	4	0
	9 "	...	4	6
	10 "	...	5	6
	12 "	...	7	0
	14 "	...	8	0
	16 "	...	9	0
	18 "	...	10	0
	20 "	...	12	0

21	WRIGHT'S HINGES, PER CWT. NETT.
15	Strap
21	Hook and Hinge on plate Japanned
22	Hook and Hinge to drive Japanned
23	Hook and Hinge on plate Japanned, Gothic
24	Hook and Hinge to drive Japanned, Gothic
25	X Garnett, Jap'd Gothic
26	Scotch T. Gothic

27	PARLIAMENT	PER DOZ. PAIRS	s	d.
	1½ "	...	6	6
	1¾ "	...	8	3
	2 "	...	9	0
	2½ "	...	11	0
	3 "	...	13	0
	3½ "	...	16	0
	4 "	...	20	0

28	HASPS AND STAPLES STRONG.	PER DOZ. PAIRS	s	d.
	1½ inch Hasp	...	6	6
	2 " 5½ "	...	7	6
	3 " 5½ "	...	10	0

29	HASPS AND STAPLES LIGHT.	PER DOZ. PAIRS	s	d.
	1½ inch Hasp	...	4	0
	2 " 5½ "	...	4	3
	3 " 5½ "	...	5	0

30	HASPS AND STAPLES, PER DOZ. PAIR			
	2	1 1/2 inch	...	4 0
	3	" "	...	4 3
	3 1/2 x 5 1/2	" "	...	5 0

HINGES AND BOLTS (continued).

CAST IRON HINGES.

HEAVY BELTS, POLISHED JOINTS.

FAST JOINTS.				LOOSE JOINTS.				SLIP JOINTS.			
		Doz. Pairs.				Doz. Pairs.				Doz. Pairs.	
		<i>s.</i>	<i>d.</i>			<i>s.</i>	<i>d.</i>			<i>s.</i>	<i>d.</i>
1	1, in 1.	1	3	1	inch	1	9	1	in 1	1	0
1 ₄	1, "	1	6	1 ₄	"	2	0	1 ¹	"	1	0
1 ¹ ₂	1, "	1	9	2	"	2	0	1	"	2	0
2	1, "	2	1	2	"	2	0	1 ¹ ₂	"	2	0
2 ₄	1, "	2	6	2 ₄	"	3	0	2	"	2	0
2 ¹ ₂	1, "	2	9	3	"	3	0	2	"	3	0
3	2, "	3	2	3	"	4	0	2 ₄	"	3	0
3 ₄	2, "	3	8	3 ₄	"	4	6	3	"	4	0
3 ¹ ₂	2, "	4	2	4	"	5	3	3 ¹ ₂	"	4	0
4	2, "	4	0	4	"	6	0	4	"	5	0
4 ₄	2, "	5	0	4 ₄	"	7	0	4 ¹ ₂	"	6	0
4 ¹ ₂	2, "	5	6	5	"	8	0	5	"	7	0
5	2, "	6	0	5	"	9	0	5 ¹ ₂	"	8	0
5 ₄	2, "	6	6	6	"	10	0	6	"	9	0
5 ¹ ₂	2, "	7	0	6 ¹ ₂	"	11	0	6 ¹ ₂	"	10	0
6	2, "	7	6	7	"	12	0	7	"	11	0
6 ₄	2, "	8	0	7 ₄	"	13	0	7 ¹ ₂	"	12	0
6 ¹ ₂	2, "	8	6	8	"	14	0	8	"	13	0
7	2, "	9	0	8	"	15	0	8 ¹ ₂	"	14	0
7 ₄	2, "	9	6	9	"	16	0	9	"	15	0
7 ¹ ₂	2, "	10	0	9 ¹ ₂	"	17	0	9 ¹ ₂	"	16	0
8	2, "	10	6	10	"	18	0	10	"	17	0
8 ₄	2, "	11	0	10 ₄	"	19	0	10 ¹ ₂	"	18	0
8 ¹ ₂	2, "	11	6	11	"	20	0	11	"	19	0
9	2, "	12	0	12	"	21	0	12	"	20	0
9 ₄	2, "	12	6	12 ₄	"	22	0	12 ¹ ₂	"	21	0
9 ¹ ₂	2, "	13	0	13	"	23	0	13	"	22	0
10	2, "	13	6	14	"	24	0	14	"	23	0
10 ₄	2, "	14	0	14 ₄	"	25	0	14 ¹ ₂	"	24	0
10 ¹ ₂	2, "	14	6	15	"	26	0	15	"	25	0
11	2, "	15	0	16	"	27	0	16	"	26	0
11 ₄	2, "	15	6	16 ₄	"	28	0	16 ¹ ₂	"	27	0
11 ¹ ₂	2, "	16	0	17	"	29	0	17	"	28	0
12	2, "	16	6	18	"	30	0	18	"	29	0
12 ₄	2, "	17	0	18 ₄	"	31	0	18 ¹ ₂	"	30	0
12 ¹ ₂	2, "	17	6	19	"	32	0	19	"	31	0
13	2, "	18	0	20	"						

Discount per cent.

MEDIUM BUTTS, POLISHED JOINTS.				LIGHT BUTTS, POLISHED JOINTS															
1	×	1 $\frac{1}{8}$	inch.	4	×	2	inch.	When open.	1	×	1	inch.	When open.	1	×	2 $\frac{1}{2}$	inch.		
1 $\frac{1}{2}$	×	1 $\frac{1}{4}$	"	4 $\frac{1}{2}$	×	2 $\frac{1}{2}$	"	1 $\frac{1}{2}$	×	1 $\frac{1}{8}$	"	1 $\frac{1}{2}$	×	1	"	1 $\frac{1}{2}$	×	2 $\frac{1}{4}$	"
1 $\frac{3}{4}$	×	1	"	5	×	3	"	1 $\frac{3}{4}$	×	1 $\frac{1}{4}$	"	1 $\frac{3}{4}$	×	1	"	1 $\frac{3}{4}$	×	2 $\frac{1}{2}$	"
2	×	1	"	5 $\frac{1}{4}$	×	3 $\frac{1}{4}$	"	2	×	1 $\frac{1}{2}$	"	2	×	1	"	2	×	3	"
2 $\frac{1}{2}$	×	1 $\frac{1}{2}$	"	5 $\frac{1}{2}$	×	3 $\frac{1}{2}$	"	2 $\frac{1}{4}$	×	1 $\frac{1}{4}$	"	2 $\frac{1}{4}$	×	1	"	2 $\frac{1}{4}$	×	3 $\frac{1}{4}$	"
2 $\frac{3}{4}$	×	2	"	5 $\frac{3}{4}$	×	3 $\frac{3}{4}$	"	2 $\frac{1}{2}$	×	1 $\frac{1}{8}$	"	2 $\frac{1}{2}$	×	1	"	2 $\frac{1}{2}$	×	3 $\frac{1}{2}$	"
3	×	2 $\frac{1}{8}$	"	6	×	4	"	3	×	2	"	3	×	2	"	3	×	3 $\frac{1}{2}$	"
3 $\frac{1}{2}$	×	2 $\frac{1}{4}$	"	6 $\frac{1}{2}$	×	4 $\frac{1}{2}$	"	3 $\frac{1}{2}$	×	2 $\frac{1}{4}$	"	3 $\frac{1}{2}$	×	2	"	3 $\frac{1}{2}$	×	3 $\frac{3}{4}$	"
3 $\frac{3}{4}$	×	2 $\frac{3}{8}$	"	7	×	5	"	3 $\frac{3}{4}$	×	2 $\frac{1}{8}$	"	3 $\frac{3}{4}$	×	2	"	3 $\frac{3}{4}$	×	4	"
4	×	2 $\frac{1}{2}$	"					4	×	2 $\frac{1}{4}$	"	4	×	2	"				

Prices as above.

Discount per cent.

Prices as above.

Discount per cent.

HINGES AND BOLTS

CAST IRON HINGES (continued).

POLISHED JOINT LIGHT TARIFF BROAD B.

		Doz. Pairs				Doz. Pairs				Doz. Pairs	
s.	d.	s.	d.	Size	s.	d.	s.	d.	Size	s.	d.
1 $\frac{1}{2}$	by 1 $\frac{1}{2}$	inch	1	11	by 2 $\frac{1}{4}$	inch	6	0	4 $\frac{1}{2}$ by 4 $\frac{1}{2}$	inch	12
1	"	1 $\frac{1}{2}$	"	2	0	3 $\frac{1}{4}$	"	3	"	4 $\frac{1}{2}$	"
1 $\frac{1}{4}$	"	1	"	2	0	3 $\frac{1}{4}$	"	2 $\frac{1}{4}$	"	14	0
2	"	1 $\frac{1}{4}$	"	2	8	3 $\frac{1}{4}$	"	2 $\frac{1}{4}$	"	15	0
2	"	2	"	2	0	3 $\frac{1}{4}$	"	3 $\frac{1}{4}$	"	12	3
2	"	2 $\frac{1}{4}$	"	3	3	3 $\frac{1}{4}$	"	4	"	13	0
	"	2 $\frac{1}{2}$	"	3	0	3 $\frac{1}{4}$	"	4 $\frac{1}{2}$	"	13	9
2	"	3	"	4	0	3 $\frac{1}{4}$	"	4 $\frac{1}{2}$	"	14	6
2 $\frac{1}{4}$	"	1 $\frac{1}{2}$	"	2	11	4	2 $\frac{1}{4}$	"	6	6	15
2 $\frac{1}{4}$	"	2	"	3	0	3 $\frac{1}{4}$	"	3	"	16	0
2 $\frac{1}{4}$	"	2 $\frac{1}{4}$	"	3	3	3 $\frac{1}{4}$	"	3 $\frac{1}{4}$	"	13	0
2 $\frac{1}{2}$	"	2 $\frac{1}{2}$	"	3	3	3 $\frac{1}{4}$	"	3 $\frac{1}{4}$	"	13	6
2 $\frac{1}{2}$	"	3	"	3	0	3 $\frac{1}{4}$	"	3 $\frac{1}{4}$	"	13	9
2 $\frac{1}{2}$	"	3 $\frac{1}{4}$	"	3	9	3 $\frac{1}{4}$	"	4	"	14	0
2 $\frac{1}{2}$	"	3 $\frac{1}{2}$	"	4	0	3 $\frac{1}{4}$	"	4 $\frac{1}{2}$	"	14	6
2 $\frac{1}{2}$	"	3 $\frac{1}{2}$	"	4	3	3 $\frac{1}{4}$	"	5	"	15	0
2 $\frac{1}{2}$	"	3	"	4	0	4	"	5 $\frac{1}{2}$	"	18	0
2 $\frac{1}{2}$	"	3 $\frac{1}{2}$	"	5	0	4	"	6	"	20	0
2 $\frac{3}{4}$	"	2 $\frac{1}{4}$	"	4	3	4	"	6 $\frac{1}{2}$	"	22	0
2 $\frac{3}{4}$	"	2 $\frac{1}{2}$	"	4	0	4	"	7	"	14	9
2 $\frac{3}{4}$	"	2 $\frac{3}{4}$	"	4	9	4	"	8	"	15	0
2 $\frac{3}{4}$	"	3	"	5	0	4	"	9	"	17	3
3	"	2 $\frac{1}{4}$	"	4	3	4	"	10	"	16	0
3	"	2 $\frac{1}{2}$	"	4	0	4	"	11	"	17	0
3	"	2 $\frac{3}{4}$	"	5	0	4	"	11	"	18	0
3	"	3	"	5	6	4	"	12	"	20	0
3	"	3 $\frac{1}{4}$	"	6	0	4 $\frac{1}{2}$	"	3	"	22	0
3	"	3 $\frac{1}{2}$	"	6	0	4 $\frac{1}{2}$	"	3 $\frac{1}{2}$	"	24	0
3	"	3 $\frac{1}{2}$	"	7	0	4 $\frac{1}{2}$	"	3 $\frac{1}{2}$	"	18	0
3	"	4	"	7	9	4 $\frac{1}{2}$	"	4	"	18	6
3	"	4	"	11	0	4 $\frac{1}{2}$	"	4 $\frac{1}{2}$	"	19	3
3 $\frac{1}{4}$	"	2 $\frac{1}{4}$	"	5	6	4 $\frac{1}{2}$	"	5	"	20	0
3 $\frac{1}{4}$	"	3	"	6	0	4 $\frac{1}{2}$	"	5 $\frac{1}{2}$	"	22	0
3 $\frac{1}{4}$	"	3 $\frac{1}{4}$	"	6	6	4 $\frac{1}{2}$	"	6	"	24	0
3 $\frac{1}{4}$	"	3 $\frac{1}{2}$	"	7	0	4 $\frac{1}{2}$	"	6 $\frac{1}{2}$	"	26	0
3 $\frac{1}{4}$	"	3 $\frac{1}{2}$	"	7	6	4 $\frac{1}{2}$	"	6 $\frac{1}{2}$	"	30	0
3 $\frac{1}{4}$	"	4	"	8	4	4 $\frac{1}{2}$	"	7	"	11	3
3 $\frac{1}{4}$	"	4	"	8	0	4 $\frac{1}{2}$	"	7	"	11	9

HINGES AND BOLTS (continued).

CAST IRON HINGES (continued).

BEST HEAVY BROAD BUTTS.

Size.	Doz. Pairs.	Size.	Doz. Pairs.	Size.	Doz. Pairs.
1 $\frac{3}{4}$ by 1 $\frac{3}{4}$ inch	2 6	3 $\frac{1}{2}$ by 3 $\frac{1}{2}$ inch	7 9	4 $\frac{1}{2}$ by 5 $\frac{1}{2}$ inch	16 0
2 " 2 "	2 9	3 $\frac{1}{2}$ " 3 $\frac{3}{4}$ "	8 6	4 $\frac{1}{2}$ " 6 "	18 0
2 " 2 $\frac{1}{4}$ "	3 3	3 $\frac{1}{2}$ " 4 "	9 0	4 $\frac{3}{4}$ " 4 "	14 0
2 " 2 $\frac{1}{2}$ "	3 6	3 $\frac{1}{2}$ " 4 $\frac{1}{4}$ "	9 9	4 $\frac{3}{4}$ " 4 $\frac{1}{2}$ "	15 0
2 " 3 "	4 3	3 $\frac{1}{2}$ " 4 $\frac{1}{2}$ "	10 6	4 $\frac{3}{4}$ " 4 $\frac{3}{4}$ "	16 0
2 $\frac{1}{4}$ " 2 "	3 6	3 $\frac{3}{4}$ " 3 "	8 6	4 $\frac{3}{4}$ " 4 $\frac{3}{4}$ "	17 0
2 $\frac{1}{4}$ " 2 $\frac{1}{4}$ "	3 9	3 $\frac{3}{4}$ " 3 $\frac{1}{4}$ "	8 6	4 $\frac{3}{4}$ " 5 "	17 6
2 $\frac{1}{4}$ " 2 $\frac{1}{2}$ "	4 0	3 $\frac{3}{4}$ " 3 $\frac{1}{2}$ "	8 9	4 $\frac{3}{4}$ " 5 $\frac{1}{2}$ "	18 0
2 $\frac{1}{2}$ " 2 $\frac{1}{4}$ "	4 0	3 $\frac{3}{4}$ " 3 $\frac{1}{2}$ "	9 3	5 " 3 $\frac{1}{2}$ "	15 0
2 $\frac{1}{2}$ " 2 $\frac{1}{2}$ "	4 3	3 $\frac{3}{4}$ " 4 "	10 0	5 " 3 $\frac{3}{4}$ "	15 6
2 $\frac{1}{2}$ " 2 $\frac{3}{4}$ "	4 6	3 $\frac{3}{4}$ " 4 $\frac{1}{4}$ "	10 9	5 " 4 "	16 0
2 $\frac{1}{2}$ " 3 "	4 9	3 $\frac{3}{4}$ " 4 $\frac{1}{2}$ "	11 6	5 " 4 $\frac{1}{4}$ "	16 6
2 $\frac{1}{2}$ " 3 $\frac{1}{4}$ "	5 6	4 " 3 "	8 6	5 " 4 $\frac{1}{2}$ "	17 0
2 $\frac{1}{2}$ " 3 $\frac{1}{2}$ "	6 0	4 " 3 $\frac{1}{4}$ "	9 0	5 " 5 "	17 6
2 $\frac{3}{4}$ " 2 $\frac{1}{4}$ "	4 3	4 " 3 $\frac{1}{2}$ "	9 3	5 " 5 $\frac{1}{2}$ "	20 0
2 $\frac{3}{4}$ " 2 $\frac{1}{2}$ "	4 6	4 " 3 $\frac{3}{4}$ "	9 6	5 " 6 "	21 0
2 $\frac{3}{4}$ " 2 $\frac{3}{4}$ "	5 0	4 " 4 "	10 0	5 " 6 $\frac{1}{2}$ "	23 0
2 $\frac{7}{8}$ " 2 "	5 0	4 " 4 $\frac{1}{4}$ "	10 3	5 " 7 "	24 0
3 " 2 $\frac{1}{2}$ "	5 0	4 " 4 $\frac{1}{2}$ "	11 9	5 $\frac{1}{2}$ " 4 $\frac{1}{2}$ "	18 0
3 " 2 $\frac{3}{4}$ "	5 6	4 " 4 $\frac{3}{4}$ "	12 6	5 $\frac{1}{2}$ " 5 "	20 0
3 " 3 "	5 9	4 " 5 "	13 0	5 $\frac{1}{2}$ " 5 $\frac{1}{2}$ "	21 6
3 " 3 $\frac{1}{4}$ "	6 0	4 $\frac{1}{4}$ " 3 $\frac{1}{2}$ "	11 0	5 $\frac{1}{2}$ " 6 $\frac{1}{2}$ "	24 0
3 " 3 $\frac{1}{2}$ "	6 3	4 $\frac{1}{4}$ " 3 $\frac{3}{4}$ "	11 9	6 " 4 "	18 0
3 " 4 "	6 6	4 $\frac{1}{2}$ " 4 "	12 0	6 " 5 "	20 0
3 " 5 "	10 0	4 $\frac{1}{4}$ " 4 $\frac{1}{4}$ "	12 6	6 " 5 "	21 6
3 $\frac{1}{4}$ " 2 $\frac{3}{4}$ "	6 6	4 $\frac{1}{4}$ " 4 $\frac{1}{2}$ "	13 3	6 " 5 $\frac{1}{2}$ "	23 0
3 $\frac{1}{4}$ " 3 "	6 9	4 $\frac{1}{4}$ " 5 "	14 3	6 " 6 "	25 0
3 $\frac{1}{4}$ " 3 $\frac{1}{4}$ "	7 0	4 $\frac{1}{2}$ " 5 "	14 6	6 " 7 "	28 0
3 $\frac{1}{4}$ " 3 $\frac{1}{2}$ "	7 3	4 $\frac{1}{2}$ " 5 $\frac{1}{2}$ "	15 0	6 " 7 "	33 0
3 $\frac{1}{4}$ " 3 $\frac{3}{4}$ "	8 3	4 $\frac{1}{2}$ " 6 "	12 9	6 " 8 "	40 0
3 $\frac{1}{4}$ " 4 "	8 9	4 $\frac{1}{2}$ " 6 $\frac{1}{4}$ "	13 0	6 $\frac{1}{2}$ " 6 $\frac{1}{2}$ "	33 0
3 $\frac{1}{4}$ " 4 $\frac{1}{2}$ "	9 9	5 $\frac{1}{2}$ " 4 $\frac{1}{2}$ "	13 3	6 $\frac{1}{2}$ " 7 "	35 0
3 $\frac{1}{2}$ " 3 "	7 0	4 $\frac{1}{2}$ " 4 $\frac{3}{4}$ "	14 0	7 " 7 "	40 0
3 $\frac{1}{2}$ " 3 $\frac{1}{4}$ "	7 6	4 $\frac{1}{2}$ " 5 "	15 0	8 " 6 "	45 0

Loose Butts same sizes and prices.

HOLES IN ABOVE HINGES ARE DRILLED AND COUNTERSUNK TO TAKE THE FOLLOWING SIZES
OF WOOD SCREWS.

1 in. to 1 $\frac{1}{2}$ in., inclusive...		No. 6 Wood Screw.	4 in. to 4 $\frac{1}{2}$ in., inclusive...		No. 12 Wood Screw
2 "	2 $\frac{1}{2}$ "	No. 8 "	5 "	6 "	No. 14 "
3 "	3 $\frac{1}{2}$ "	No. 10 "	6 "	6 $\frac{1}{2}$ "	No. 16 "

Number of Screws required for 1 gross pair of Hinges—

From 1 to 2 in. inclusive... 8 gross for ea. size From 3 $\frac{1}{4}$ to 5 in. inclusive... 16 gross for ea. size
 " 2 $\frac{1}{2}$ " 3 $\frac{1}{4}$ " " " 12 " " " " 5 $\frac{1}{4}$ " 7 " " " 20 " "

HINGES AND BOLTS (continued).

CAST IRON HINGES (continued).

PARLIAMENT OR SHUTTER HINGES.				SKEW OR RISING BUTT HINGES.			
T. inch	Joint	Strap.	Doz. pairs	T. inch	Joint	Strap.	Doz. pairs
			s. d.				s. d.
2	inch	3 $\frac{1}{4}$ inch	4 6	2	inch	3 $\frac{1}{4}$ inch	6 6
2 $\frac{1}{4}$	"	3 $\frac{1}{2}$ "	4 6	2 $\frac{1}{4}$	"	3 $\frac{1}{2}$ "	7 0
2 $\frac{1}{2}$	"	3 $\frac{3}{4}$ "	5 0	2 $\frac{1}{2}$	"	3 $\frac{3}{4}$ "	7 6
3	"	4 "	5 3	3	"	4 "	8 0
3 $\frac{1}{4}$	"	4 $\frac{1}{4}$ "	6 6	3 $\frac{1}{4}$	"	4 $\frac{1}{4}$ "	9 0
4	"	5 $\frac{1}{4}$ "	7 6	4	"	5 $\frac{1}{4}$ "	10 0
4 $\frac{1}{4}$	"	6 "	8 3	4 $\frac{1}{4}$	"	6 "	11 0
4 $\frac{1}{2}$	"	6 $\frac{1}{4}$ "	9 0	5	"	7 "	12 0
5	"	7 "	9 9	5 $\frac{1}{4}$	"	7 $\frac{1}{4}$ "	13 0
5 $\frac{1}{4}$	"	7 $\frac{1}{4}$ "	10 6	6	"	8 "	14 0
6	"	8 "	12 0	6 $\frac{1}{4}$	"	8 $\frac{1}{4}$ "	15 0
			17 0				

If Japanned to 214, 6d.; others 1/- doz. ex.

BROAD SKEW BUTTS.

PARLIAMENT OR SHUTTER HINGES.				SKEW OR RISING BUTT HINGES.			
T. inch	Joint	Strap.	Doz. pairs	T. inch	Joint	Strap.	Doz. pairs
			s. d.				s. d.
2 $\frac{1}{4}$ inch	1 $\frac{3}{4}$ inch	5 $\frac{1}{2}$ inch	8 6	3	by	3 inch	12 0
2 $\frac{1}{2}$	1 $\frac{3}{4}$	4	8 0	3 $\frac{1}{4}$	"	3 $\frac{1}{4}$ inch	13 0
2 $\frac{3}{4}$	2	4	8 6	4	"	4 "	14 0
3	2	4 $\frac{1}{2}$	9 0	4 $\frac{1}{4}$	"	4 $\frac{1}{4}$ "	15 0
3 $\frac{1}{4}$	2	5	9 6	5	"	5 "	16 0
3 $\frac{1}{2}$	2	5 $\frac{1}{2}$	10 0	5 $\frac{1}{4}$	"	5 $\frac{1}{4}$ "	17 0
4	2	6	10 6	6	"	6 "	18 0
4 $\frac{1}{4}$	2	6 $\frac{1}{4}$	11 0	6 $\frac{1}{4}$	"	6 $\frac{1}{4}$ "	19 0
4 $\frac{1}{2}$	2	6 $\frac{1}{2}$	11 6	7	"	7 "	20 0
5	2 $\frac{1}{4}$	7	12 0	7 $\frac{1}{4}$	"	7 $\frac{1}{4}$ "	21 0
5 $\frac{1}{4}$	2 $\frac{1}{4}$	7 $\frac{1}{4}$	12 6	8	"	8 "	22 0
6	2 $\frac{3}{4}$	8	13 0	8 $\frac{1}{4}$	"	8 $\frac{1}{4}$ "	23 0
			16 0				

CENTRE OR PIVOT HINGE.

WITH ROLLER TO SHUT THE DOOR.

LONG SKEW PARLIAMENT HINGE.				CENTRE OR PIVOT HINGE.			
Joint.	Strap.	Doz. pairs	s. d.	T. inch	Joint	Strap.	Doz. pairs
2	4 $\frac{3}{4}$ inch	9 6		1 $\frac{1}{4}$ inch doors	...	4 3	13 0
2 $\frac{1}{4}$	5 $\frac{1}{4}$ "	11 6		1 $\frac{1}{2}$ "	"	4 6	14 0
2 $\frac{1}{2}$	6 $\frac{1}{4}$ "	12 6		1 $\frac{3}{4}$ "	"	5 0	15 0
3	7 "	13 6		2 "	"	5 6	16 0

HINGES AND BOLTS (continued).

BACK FLAP HINGES.				EDGE BUTTS (continued).			
		Doz. pairs	<i>s.</i> <i>d.</i>				
1 inch	3	2 1/2 inch	...	...	...
1 1/8	5		...	...	...
1 1/4	8		...	...	...
1 3/8	10		...	...	...
1 1/2	2		...	...	...
1 5/8	6		...	...	...
1 3/4	3		...	...	...
2	9		...	...	...
2 1/8	6		...	...	...
2 1/4	6		...	...	...
2 3/8	6		...	...	...
2 1/2	6		...	...	...
3	6		...	...	...
3 1/8	10		...	...	...

TAKE-OFF BUTTS.

SQUARE BUTTS.				TAKE-OFF BUTTS.			
		Doz. pairs	<i>s.</i> <i>d.</i>			Per Doz. Pairs.	<i>s.</i> <i>d.</i>
1 inch	6	1 inch	...	...	3 1/4
1 1/8	8	1 3/4	...	...	3 8
1 1/4	9	2	...	...	4 0
1 1/2	2	2 1/4	...	...	4 6
1 5/8	6	2 1/2	...	...	5 2
1 3/4	6	2 3/4	...	...	6 0
2	6	3	...	...	7 0
2 1/8	6	3 1/4	...	...	8 6
2 1/4	6	3 1/2	...	...	10 0
2 3/8	6	4	...	...	13 0
2 1/2	8	1/2	...	...	18 0

STRONG-KNEED JOINT BUTTS.

STRONG-KNEED JOINT BUTTS.				SQUARE BUTTS.			
		Doz. pairs.	<i>s.</i> <i>d.</i>			WHEN OPEN.	<i>s.</i> <i>d.</i>
3 inch	11	1 1/4 by 1 1/4 inch	...	...	2 1/4
3 1/8	12	1 1/2 by 1 1/2	...	...	3 2
3 1/4	1	2 by 2	...	...	3 8
3 3/8	1	2 1/4 by 2 1/4	...	...	4 4
3 1/2	1	2 1/2 by 2 1/2	...	...	5 4
3 3/4	1	3 by 3	...	...	6 4
4	1	3 1/2 by 3 1/2	...	...	7 4
4 1/8	1		...	...
4 1/4	1		...	...
4 1/2	1		...	...
4 3/4	1		...	...
5	1		...	...

SQUARE TAKE-OFF BUTTS.

PRESSED RIVETED HINGES				SQUARE TAKE-OFF BUTTS.			
		Doz. pairs.	<i>s.</i> <i>d.</i>			WHEN OPEN.	<i>s.</i> <i>d.</i>
1 inch	2	2 by 2 inch	...	...	5 0
1 1/8	2	2 1/4 by 2 1/4	...	...	6 0
1 1/4	2	2 1/2 by 2 1/2	...	...	7 0
1 1/2	2	3 by 3	...	...	8 0
1 3/4	2	3 1/2 by 3 1/2	...	...	10 0
2	3	4 by 4	...	...	12 0

HINGES AND BOLTS (continued).

PRESSED RIVETTED HINGES, continued.

DOVE TAIL.

TRUNK JOINT.

Per Doz. Pairs.

				Per Doz. Pairs		1 inch					
				s.	d.					s.	d.
$\frac{3}{4}$ inch	...	...	...	2	4	1	1	...	...	2	6
$\frac{7}{8}$ "	...	...	...	2	6	1	1	...	...	3	0
1 "	...	...	...	2	8	1	1	...	...	4	0
1 $\frac{1}{8}$ "	...	...	...	3	0	1	1	...	...	5	6
1 $\frac{1}{4}$ "	...	...	...	3	4	2	1	...	...	6	6
1 $\frac{3}{8}$ "	...	...	...	3	8	2	1	...	...	8	0
1 $\frac{1}{2}$ "	...	...	...	4	0	2	1	...	...	10	0

TENT BED.

TABLE.

				Per Doz. Pairs		1 inch					
				s.	d.					s.	d.
$\frac{3}{4}$ inch	...	...	...	2	0	1	1	...	...	2	4
$\frac{7}{8}$ "	...	...	...	2	0	1	1	...	...	2	7
1 "	...	...	...	2	2	Disc. on Common Pressed Hinges					
1 $\frac{1}{8}$ "	...	...	...	2	4	Do. Best do. do.					

HANDLES.

IMPROVED JAPANNED CHEST HANDLES.

				Per Doz. Pairs.							
				s.	d.					s.	d.
$\frac{3}{4}$ inch	...	...	...	2	0	No.	...	...	...	2	6
$\frac{7}{8}$ "	...	...	...	2	0	00	...	...	...	3	0
1 "	...	...	...	2	2	0	...	...	...	3	6
1 $\frac{1}{8}$ "	...	...	...	2	4	0	...	...	...	4	0
1 $\frac{1}{4}$ "	...	...	...	2	6	0	...	...	...	5	0
1 $\frac{3}{8}$ "	...	...	...	2	10	0	...	...	...	6	0
1 $\frac{1}{2}$ "	...	...	...	3	3	0	...	...	...	7	0
1 $\frac{5}{8}$ "	...	...	...	3	8	0	...	...	...	8	0
1 $\frac{3}{4}$ "	...	...	...	4	6	1	...	...	...	9	0
1 $\frac{7}{8}$ "	...	...	...	5	0	2	...	...	...	10	0
2 "	...	...	...	5	6	3	...	...	...	11	0
2 $\frac{1}{4}$ "	...	...	...	7	6	4	...	...	...	...	...
2 $\frac{1}{2}$ "	...	...	...	9	0	5	...	...	...	...	...
2 $\frac{3}{4}$ "	...	...	...	12	6	6	...	...	...	...	...
3 "	...	...	...	14	6	7	...	...	...	...	...
						8	...	...	...	...	...

BACK FLAPS.

COMMON JAPANNED CHEST HANDLES.

				Per Doz. Pairs.							
				s.	d.					s.	d.
$\frac{3}{4}$ inch	...	...	...	2	0	No.	...	...	...	2	6
$\frac{7}{8}$ "	...	...	...	2	0	00	...	...	...	3	0
1 "	...	...	...	2	2	0	...	...	...	4	0
1 $\frac{1}{8}$ "	...	...	...	2	4	1	...	...	...	5	0
1 $\frac{1}{4}$ "	...	...	...	2	6	2	...	...	...	6	0
1 $\frac{3}{8}$ "	...	...	...	2	10	3	...	...	...	7	0
1 $\frac{1}{2}$ "	...	...	...	3	3	4	...	...	...	8	0
1 $\frac{5}{8}$ "	...	...	...	3	8	5	...	...	...	9	0
1 $\frac{3}{4}$ "	...	...	...	4	6	6	...	...	...	10	0
1 $\frac{7}{8}$ "	...	...	...	5	0	7	...	...	...	11	0
2 "	...	...	...	5	6	8	...	...	...	...	...

JAPANNED BENT BOX CLIPS.

				Per Doz. Pairs.							
				s.	d.					s.	d.
$\frac{3}{4}$ inch	...	...	...	2	0	3 by 3 by 2 inch	...	20 gauge	...	...	...
$\frac{7}{8}$ "	...	...	...	2	0	3 " 3 " 2 "	...	22 "	...	...	...
1 "	...	...	...	2	2	3 " 3 " 2 "	...	24 "	...	...	...
1 $\frac{1}{8}$ "	...	...	...	2	4	3 " 3 " 2 "	...	26 "	...	...	...
1 $\frac{1}{4}$ "	...	...	...	2	6	3 " 3 " 2 "	...	28 "	...	...	...

HINGES AND BOLTS (continued).

BRASS CAST HINGES.

No. of Drawing	Light Narrow.		Strong.		Extra Strong.	
	BUTTS.	Per doz. pairs.	BUTTS.	Per doz. pairs.	BUTTS.	Per doz. pairs.
	$\frac{1}{2}$ inch. ... by $\frac{1}{2}$ in... -/11		by $\frac{3}{4}$ in... -/11			
$\frac{5}{8}$	" ... " $\frac{1}{2}$... - 11 $\frac{1}{2}$		" $\frac{3}{4}$... 1/1			
$\frac{3}{4}$	" ... " $\frac{1}{2}$... 1 -		" $\frac{3}{4}$... 1, 3			
$\frac{7}{8}$	" ... " $\frac{9}{16}$... 1 2		" $\frac{3}{4}$... 1/4 $\frac{1}{2}$			
1	" ... " $\frac{9}{16}$... 1 3		" $\frac{3}{4}$... 1 7			
1 $\frac{1}{8}$	" ... " $\frac{5}{8}$... 1 5		" $\frac{1}{2}$... 1 11			
1 $\frac{1}{4}$	" ... " $\frac{11}{16}$... 1, 7		" $\frac{1}{2}$... 2/2			
1 $\frac{3}{8}$	" ... " $\frac{11}{16}$... 1, 9		" $\frac{1}{2}$... 2 6			
1 $\frac{1}{2}$	" ... " $\frac{11}{16}$... 1 10		" $\frac{1}{2}$... 3 -			
1 $\frac{5}{8}$	" ... " ...		" $\frac{1}{2}$... 3 4			
1 $\frac{3}{4}$	" ... " $\frac{3}{4}$... 2/3		" $\frac{1}{2}$... 3 8			
1 $\frac{7}{8}$	" ... " ...		" $\frac{1}{2}$... 4, 2			
2	" ... " $\frac{7}{8}$... 3 -		" $\frac{1}{2}$... 4 7	by 1 $\frac{9}{16}$... 7/6		
2 $\frac{1}{8}$	" ... " ...		" $\frac{1}{2}$... 5 3			
2 $\frac{1}{4}$	" ... " $\frac{1}{2}$... 3, 6		" $\frac{1}{2}$... 5, 8	" $\frac{1}{2}$... 8/9		
2 $\frac{1}{2}$	" ... " $\frac{1}{2}$... 4 3		" $\frac{1}{2}$... 6 9	" $\frac{1}{2}$... 10 6		
2 $\frac{3}{4}$	" ... " $\frac{1}{2}$... 5, 6		" $\frac{1}{2}$... 9, -	" $\frac{1}{2}$... 11 -		
3	" ... " $\frac{1}{2}$... 7/-		" $\frac{1}{2}$... 11, -	" $\frac{1}{2}$... 17		
3 $\frac{1}{4}$	" ... " $\frac{1}{2}$... 8 6		" $\frac{1}{2}$... 11			
3 $\frac{1}{2}$	" ... " $\frac{1}{2}$... 10, -		" $\frac{1}{2}$... 16, -	" $\frac{1}{2}$... 28		
3 $\frac{3}{4}$	" ... " $\frac{1}{2}$... 12, -		" $\frac{1}{2}$... 22 6			
4	" ... " $\frac{1}{2}$... 14, -		" $\frac{1}{2}$... 24, -	" $\frac{1}{2}$... 38 6		
4 $\frac{1}{4}$	" ... " $\frac{1}{2}$... 16, -		" $\frac{1}{2}$... 32			
4 $\frac{1}{2}$	" ... " 2 ... 20, -		" 3 ... 42, -	" 3 $\frac{1}{2}$... 50, -		
5	" ... " ...		" 3 $\frac{1}{2}$... 57, -	" 4 ... 76 -		
5 $\frac{1}{2}$	" ... " ...		" 4 ... 67			
6	" ... " ...		" 4 $\frac{1}{2}$... 77, -	" 5 ... 120, -		

If polished back of joint add about 5 per cent.

If ditto ditto, and inside ... " " 2

If Brass pins

There is a suit between the "Strong" and "Extra Strong," of which the 3 in. is 14, - per dozen pairs, and the other sizes in proportion.

HINGES AND BOLTS (continued).

BRASS PATENT WROUGHT HINGES.

No. of Drawing					Plain Sanded.	Polished Joints, and Lacquered.	Polished and Lacquered both sides.
					Per doz. pairs.	Per doz. pairs.	Per doz. pairs.
		BUTTS.					
1	1	$\frac{1}{2}$	inch	...	1.1	1.2	1.7
3	"	$\frac{9}{16}$	"	...	1.2	1.4	1.8
1	"	$\frac{3}{4}$	"	...	1.3	1.7	1.11
1 $\frac{1}{4}$	"	$\frac{3}{4}$	"	...	1.4	1.11	2.3
1 $\frac{1}{2}$	"	$\frac{13}{16}$	"	...	1.5	2.3	2.9
1 $\frac{3}{4}$	"	"	"	...	1.6	2.4	2.10
1 $\frac{7}{8}$	"	$\frac{1}{6}$	"	...	1.7	2.10	3.3
2	"	1	"	...	1.8	2.4	2.9
2 $\frac{1}{4}$	"	1 $\frac{1}{8}$	"	...	1.9	2.4	4.9
2 $\frac{1}{2}$	"	1 $\frac{1}{4}$	"	...	2.0	2.6	5.1
2 $\frac{3}{4}$	"	1 $\frac{5}{16}$	"	...	2.1	7	7.6
3	"	1 $\frac{1}{2}$	"	...	2.2	8.3	9.1
		STRONG BUTTS.					
1	by	$\frac{3}{4}$	inch	...	1.5	1.8	2.1
1 $\frac{1}{4}$	"	"	"	...	1.9	2	2.3
1 $\frac{1}{2}$	"	1	"	...	2.0	2.3	3
1 $\frac{3}{4}$	"	1	"	...	2.1	2.4	3.6
2	"	1 $\frac{1}{8}$	"	...	2.4	2.7	4
2 $\frac{1}{4}$	"	1 $\frac{1}{4}$	"	...	2.3	2.8	5.1
2 $\frac{1}{2}$	"	1 $\frac{3}{8}$	"	...	2.3	2.9	6.1
2 $\frac{3}{4}$	"	1 $\frac{1}{2}$	"	...	2.4	7.6	7.6
3	"	1 $\frac{1}{2}$	"	...	2.5	8	8
		EXTRA STRONG BUTTS.					
1	by	1 $\frac{1}{4}$	inch	...	2.5	1.10	1.10
2	"	1 $\frac{1}{2}$	"	...	2.6	6.3	6.3
2 $\frac{1}{2}$	"	1 $\frac{3}{4}$	"	...	2.6	8	9
3	"	1 $\frac{7}{8}$	"	...	2.7	10	10.0
		NARROW BUTTS.					
1	by	$\frac{3}{4}$	inch	...	2	2.1	2
1 $\frac{1}{4}$	"	$\frac{1}{2}$	"	...	2.1	1.8	2.1
2	"	$\frac{1}{2}$	"	...	2.2	3.2	3.7

HINGES AND BOLTS (continued).

BRASS PRESSED HINGES.

USUAL SUIT, DIPPED.				NARROW SUIT, POLISHED.			
In.		Gro. Pairs.		In.		Gro. Pairs.	
		£	s. d.			£	s. d.
1		0	8	0	6 0
1 1/2		0	10	1		0	10 0
2		0	13	1 1/4		0	13 0
2 1/2		0	15	1 1/2		0	15 0
3		0	18	2		0	18 0
3 1/2		0	1	2 1/4		0	1
4		1	10	2 1/2		0	8 0
4 1/2		1	14	3		0	2
5		2	1	3 1/2		0	1
5 1/2		2	4				
6		3	4				
6 1/2		4	4				
7		5	4				
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127 1/2		5					

HINGES AND BOLTS (continued).

BRASS BOLTS.

			WIDTH.							
				3	3½	4	4½	5	6	7 8 in.
			Inches	doz.	doz.	doz.	doz.	doz.	doz.	doz.
Light Flush ...	...	...	$\frac{3}{8}$	2/3	2/9	3/-	3/6	4 -	5 -	6 - 7 -
Ditto ...	...	...	$\frac{1}{2}$	3 -	3/5	3/9	4/2	4/6	5/6	6/6 7/6
Ditto ...	...	...	$\frac{5}{8}$	4/-	...	5/-	...	5/6	6/6	8/- 9/-
Strong Flush...	...	...	$\frac{5}{8}$	4/6	5/3	6 -	...	7/6	9 -	10/6 11/-
Ditto ...	...	...	1	6/9	...	9/-	...	11/3	13/6	15/9 18/-
Barrel, with iron shoot,										
(no back plate) ...	...	...	1	7/6	8/6	10/-	11 -	12/-	15/-	18/- 21/-
Ditto with brass shoot,										
1 - per dozen extra.										
Ditto with back plate,										
1/- per dozen extra.										
If necked, 1/6 doz. extra.										
Ditto, iron shoot ...	...	...	1½	11/-	12/3	13/6	14/9	16/-	18/6	22/- 26/-
Brass shoot and back plate										
extra as above.										
If necked 2/6 dozen extra.										
Ditto with back plate,										
brass shoot, and										
solid end ...	...	...	1½	12/9	13/9	15/-	16/6	18/6	22/-	... ..
Ship or Tower, all										
Brass, with back										
plate and solid end ..	...	...	1	9/6	11/-	12/6	14/6	16/-	19/-	...
Ditto ditto ...	...	...	1½	15/6	17/-	18/-	19/6	21/-	25/6	... ..
Ditto ditto, with										
ears, solid end (no										
back plate) ...	...	...	1½	...	...	34/-	37/-	40/-	46 -	...

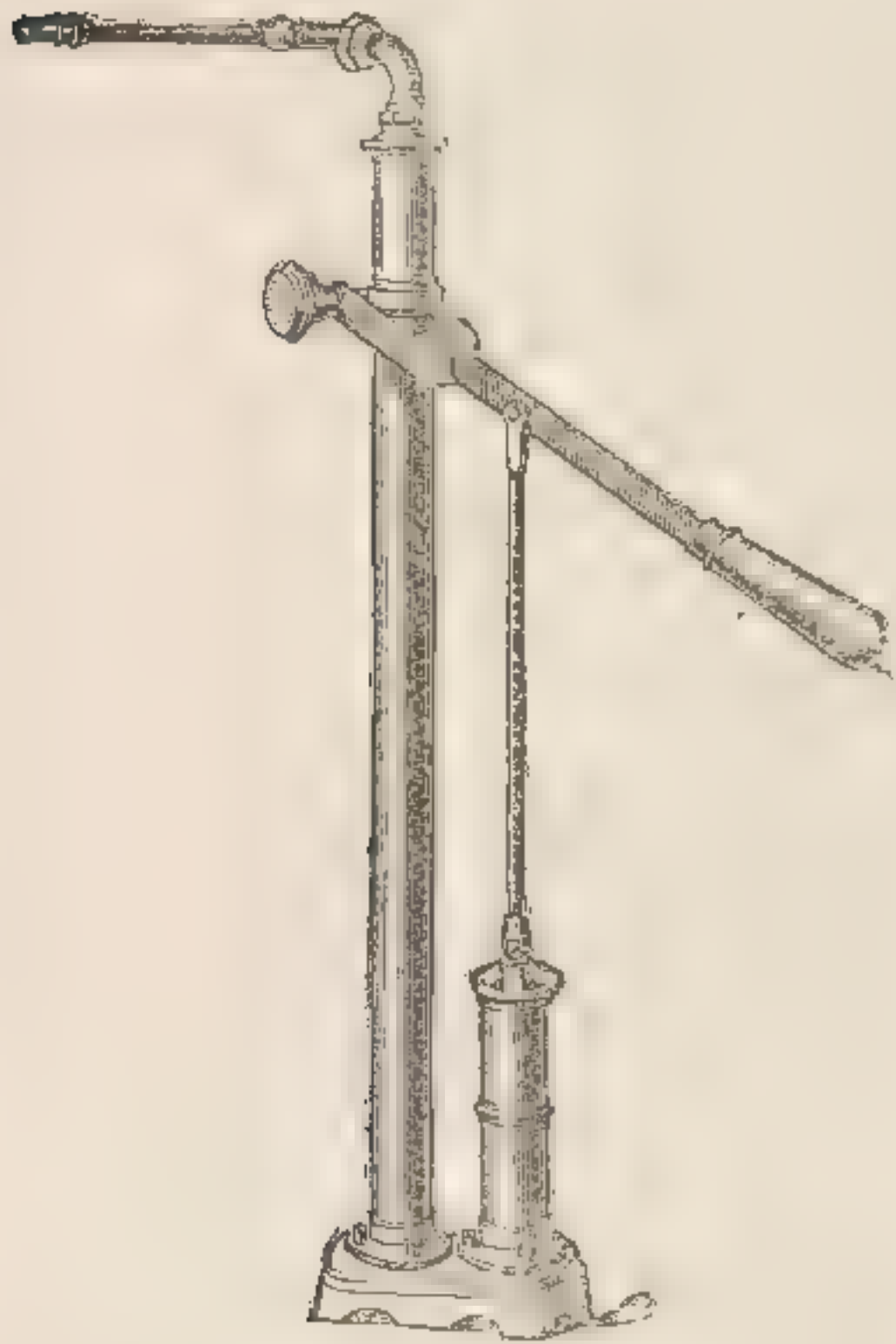
All the above are priced with socket ends or plates. In the former case the socket end is measured in with the bolt; in the latter, the length of the bolt only is charged.

LAP-WELDED IRON BOILER TUBES.

IRON TUBULAR SCREWED STAYS,

STAY BACKNUTS AND SCREWING STAYS,

BRASS GARDEN ENGINES.

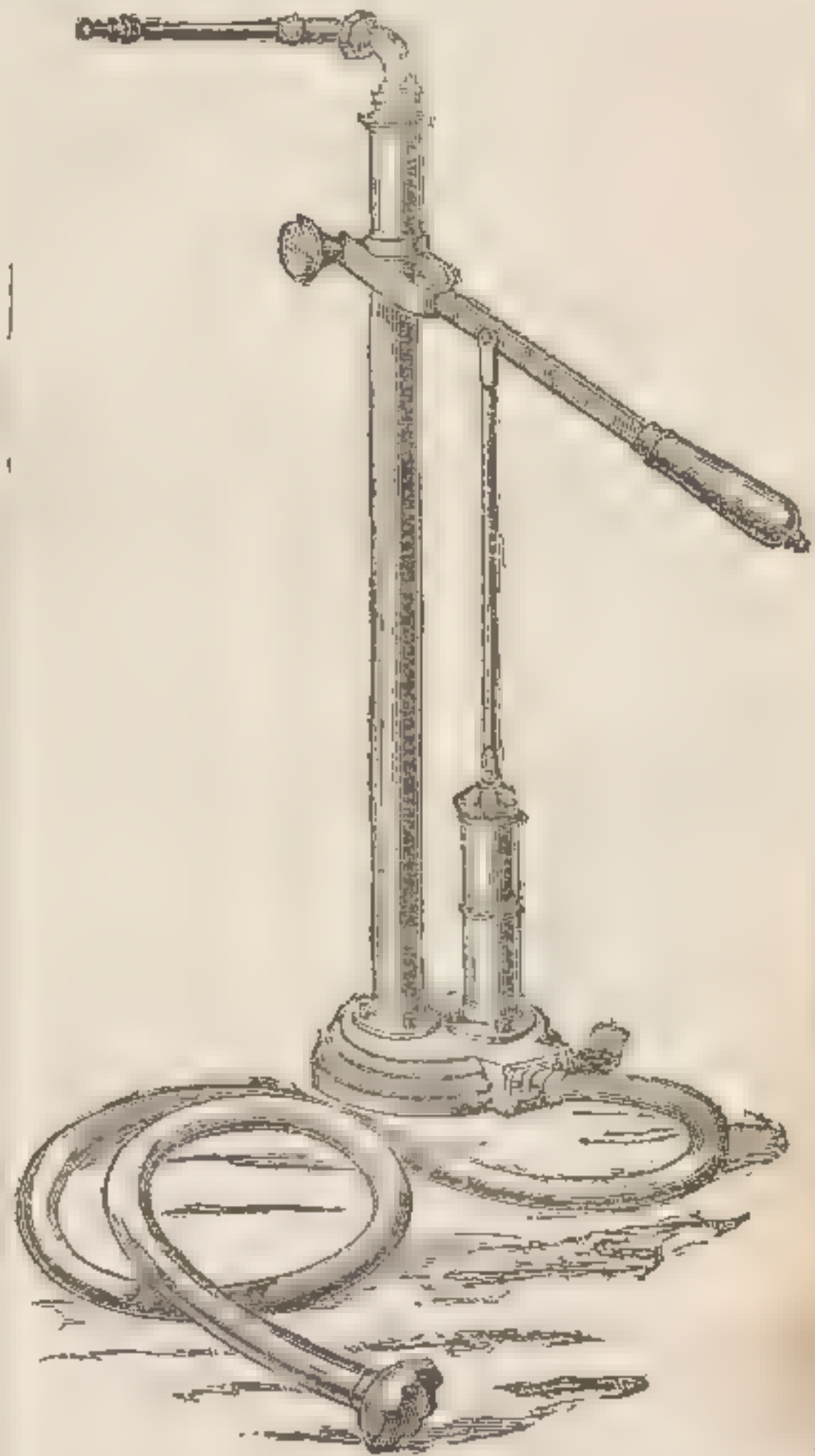


THESE Engines throw a continuous stream of water from 40 to 50 feet, and are made with a small oval foot to stand in an ordinary bucket, or can be fixed in a water barrow. They are made without india rubber, and are therefore suitable for any climate.

They can be had with round Foot if preferred.

PRICES.

			£	s.	d.
No. 20	...	...	0	17	6
" 21	...	...	1	2	0
" 22	...	...	1	12	0
" 23	...	...	2	8	0
" 24	...	...	3	1	6



THESE Engines throw a continuous stream of water from 40 to 50 feet. The foot is fitted for suction hose, and will draw water 25 feet; or the hose can be unscrewed, and the Engine used in a bucket or water barrow.

PRICES.

			£	s.	d.
No. 22	...	...	2	0	0
" 23	...	...	2	14	0
" 24	...	...	3	7	6

HOSE EXTRA.

No. 22	...	1/2 per foot.
" 23	...	1/5 "
" 24	...	1/7 "

F I L T E R S .

It is a well-ascertained fact that Cholera and many of the epidemic diseases common in hot countries are greatly aggravated, if not caused, by the use of impure water. It often happens that when the climate tends to induce thirst there is no water fit to drink to be had within reach. The only remedy that suggests itself is to mix spirits with the water to drown the taste, or as some erroneously think, to prevent injurious effects. Thus the remedy is often worse than the disease, especially where bad rum and brandy only are to be got. The climate of many not unhealthy places bears the blame that ought to rest on the intemperate habits induced by bad water.

It is a vulgar error to suppose that boiling removes all impurities from water. On the other hand the foulest water may be perfectly purified by a proper system of filtration. The Filters, of which the prices are given below, are made on the best principle, and will last longer than the cheaper kinds. At the same time it is possible to procure similar patterns at lower prices, if the interior purifying medium is less powerful and less lasting. There are many cheap filters sold that are of comparatively little or no value.

N E T T P R I C E S .

No. 1. POCKET SYPHON FILTER—

2½ in. diameter, in metal box	...	...	...	2/6	each.
3½ in. " "	...	...	...	5/-	"
3½ in. " with plated tap, in metal box	...	...	...	7/-	"
5 in. " " "	...	...	...	12/-	"
Syphon Filter, 6 in. diameter	...	...	...	14/6	"
" " 7½ in. "	...	...	...	21/-	"
" " 9 in. "	...	...	...	30/-	"

No. 2. TABLE FILTER—

Glass or Terra Cotta	...	...	...	5/-	"
" "	...	...	...	7/6	"

No. 3. TABLE FILTER—

Engraved Glass	...	...	...	7/6	"
" "	...	...	...	10/-	"

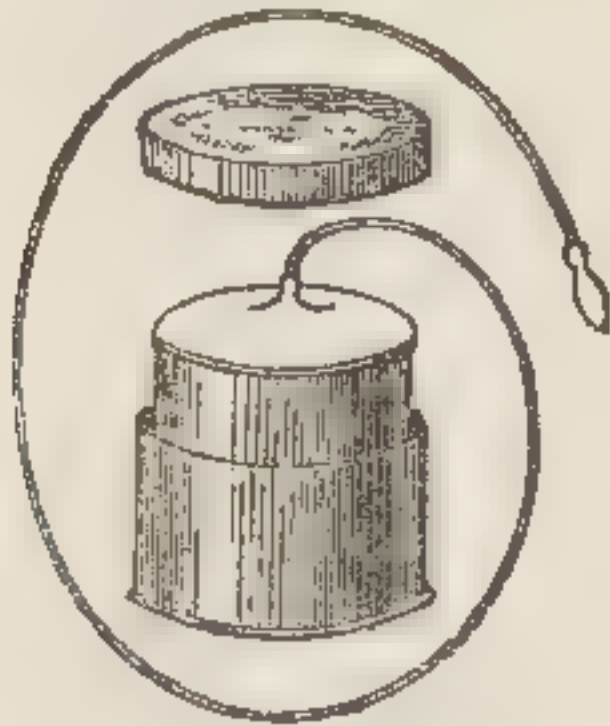
No. 4. REFRIGERATOR—

Terra-Cotta, with plated tap	...	...	...	31/6	"
" " " and ice compartment	...	...	...	42/-	"

No. 5. FILTER FOR SHIP'S CABIN USE—Hard Stoneware, cased in wicker, with plated tap—

10/6	15/-	22/-	36/-	48/-	57/6	68/-	each.
½	1	2	4	6	8	10	gallons.

SILICA'TED CARBON FILTERS.



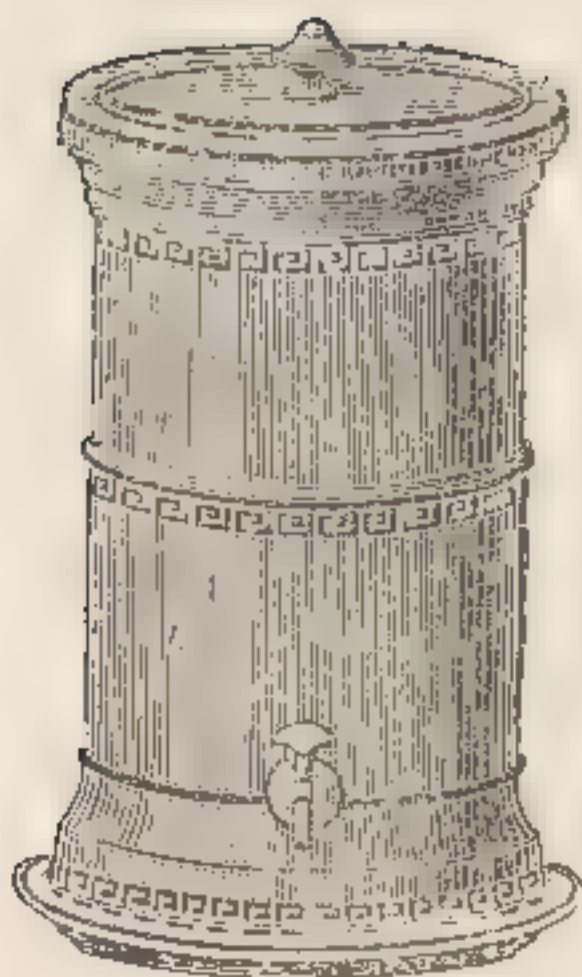
No. 1.



No. 2.



No. 3.

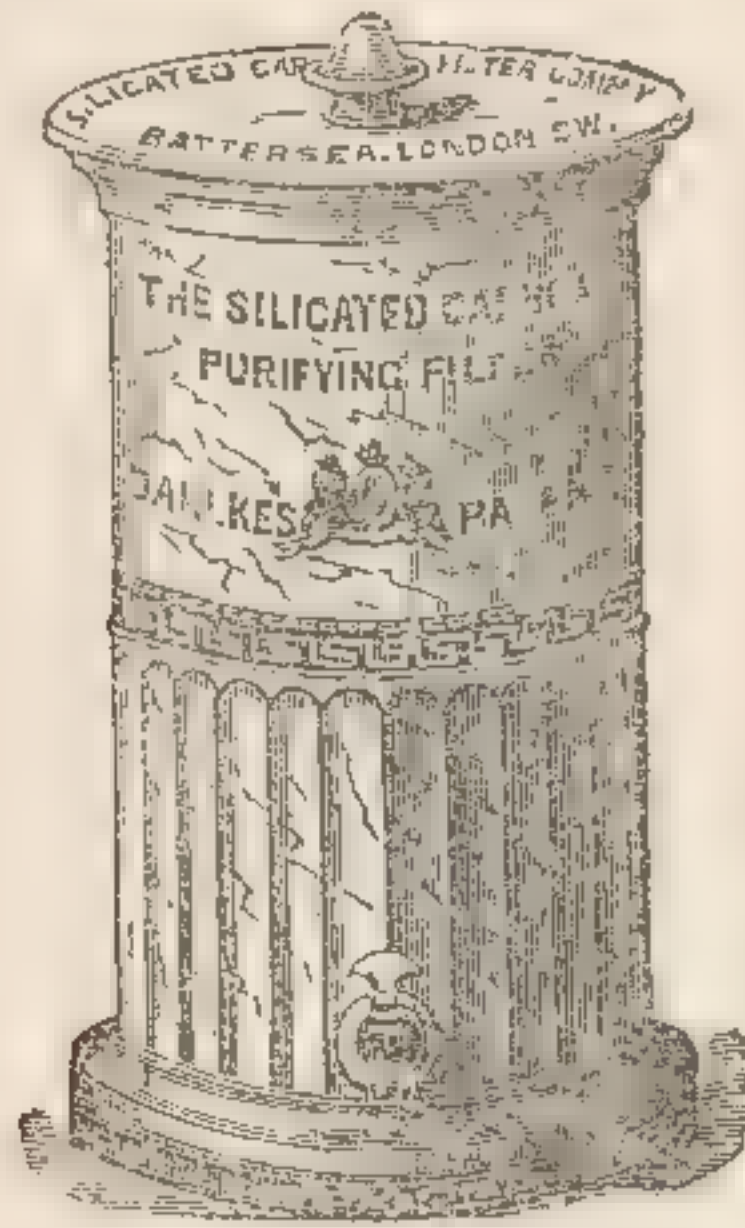


No. 4.



No. 5.

SILICATED CARBON FILTERS.



No. 6.



No. 7.



No. 8.



No. 9.



No. 10.

FILTERS (continued).

No. 6. DINING ROOM FILTER, Marbled China—

To filter 6 gallons per diem	...	...	...	35/-	each.
„ „ with ice compartment	...			42/-	„
To filter 20 gallons per diem	...	...	...	80/-	„
„ „ with ice compartment	...			100/-	„

No. 7. DOMESTIC FILTER, Cream Stoneware, plated tap—

14/6	21/-	32/-	42/-	52/-	70/-	each.
17/6	25/-	36/-	48/-	60/-	80/-	„ with Ice Compartment.
1	2	4	6	8	12	gallons.

No. 8. STONEWARE FILTER, Ornamental—

2 gallons, with plated tap	30/-	each.
----------------------------	-----	-----	-----	-----	------	-------

No. 9. PORTABLE FILTER, Marbled Porcelain—

To place in any jug, decanter, or ordinary vessel	...	7/6	„
---	-----	-----	---

No. 10. REFRIGERATIVE CANVAS FILTER—

This Filter is made of stout canvas, just sufficiently porous to allow water to ooze through it; and the rapid evaporation from the surface which takes place in hot climates, produces a most refreshing and delightful coolness in the water.

The inside of the Filter should be well brushed and rinsed every three or four days, to remove the accumulation of dirt.

Water poured into the upper part of the Filter is thoroughly purified by passing through the filtering medium in the centre to the lower chamber, from which it may be drawn off for use.

The Filter should be thoroughly soaked in water before using, and the first gallon or two passing through it should be thrown away.

Complete with tap	...	First size,	25/-
„ „	...	Second size,	21/-

The above prices do not include packing or carriage.

N.B.—To keep the Filters in good order, the upper parts of them should be regularly washed out, and all accumulations of insoluble impurities cleared away. They will thus remain effectual for many years.

HAMMOCKS,

INCLUDING ROPES, SCREW HOOKS, LEATHER CLOTH CASE, AND ILLUSTRATED SHEET.

Hammock No. 1, Adult's	...	...	...	10/6 each.	
" " 2, Ditto	...	...	...	12/- "	
" " 3, Ditto	...	...	...	15/- "	If adapted to Stretcher.
" " 5, Ditto	...	...	...	13/- "	21/-
" " 6, Double Adult's	...	...	...	21/- "	18 6
" " 10, Baby's	...	...	...	6/- "	
" " 20, Plaited, Adult's	...	...	...	24/- "	
" " 30, Ditto ditto	...	...	...	35/- "	
" " 40, Netted Silk, silver-grey	...	...	...	52/6 "	
" " 50, Ditto ditto	...	...	...	126 "	

If adapted to
Stretcher.In superior
case.

BRASS Screw Hooks, instead of Iron ones, 6d. per pair extra.

EXTRAS.

Slinging Apparatus (2 staves, 4 pegs, and 2 extra screw-hooks)—

	If Bamboo Staves	...	9/6 per set.
	If Wood Staves	...	6/- "
Spreading Sticks	...	...	1/6 per pair.
Anti-friction Canes	...	...	2/6 "
Iron Spare Screw-hooks	...	...	3/- per doz.
Extra strong ditto	...	...	5/- "
Brass	...	...	6/- "
Musquito Netting	...	...	4/- per sheet.
Special Stretcher	...	...	30/- each.

PACKED IN CASE.

	Weight.	Length.	Round Parcel measures	
			Length.	Diam.
No. 1 Hammock, the ordinary article	...	About 1 lb.	10 feet	9 in 3 in.
" 2 somewhat larger and stronger	...	" 1 $\frac{3}{4}$ lbs.	11 "	10 " 3 "
" 3 still larger, cord of double strength	...	" 2 $\frac{3}{4}$ "	11 $\frac{1}{2}$ "	11 " 4 "
" 4 Children's size	...	" $\frac{3}{4}$ "	8 "	7 " 2 "
" 5 size of No. 1, but cord of double strength	...	" 2 $\frac{1}{2}$ "	10 "	9 $\frac{1}{2}$ " 3 $\frac{1}{2}$ "
" 6 largest, cord of double strength	...	" 3 $\frac{1}{2}$ "	13 "	12 " 5 "

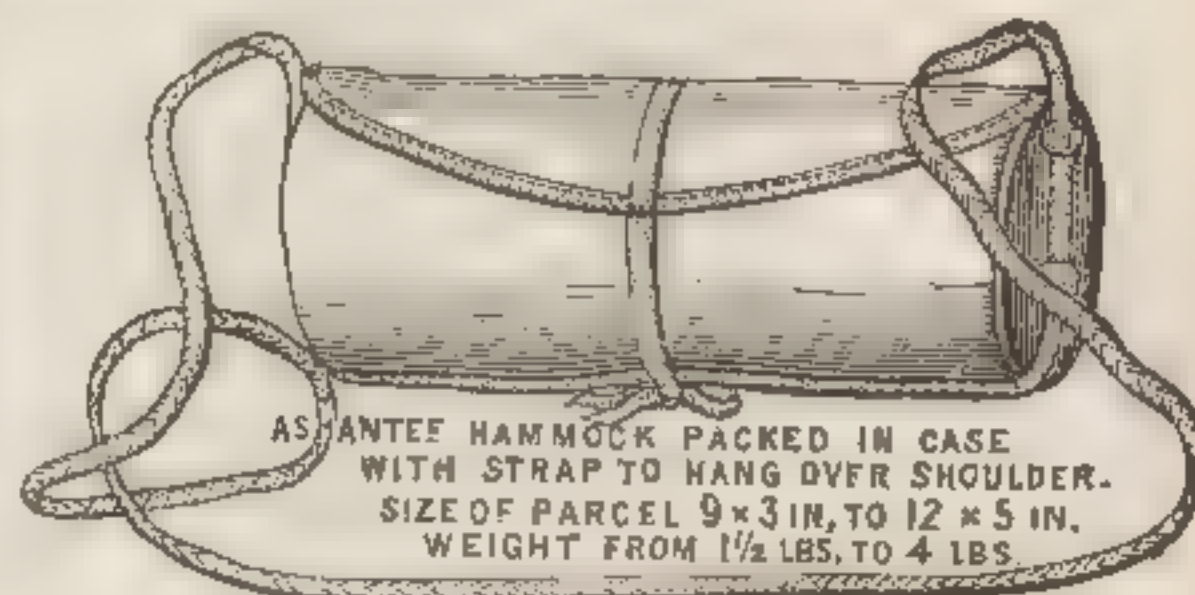
HAMMOCKS.

ASHANTEE HAMMOCK ON
SLINGING APPARATUS.

ASHANTEE HAMMOCK.



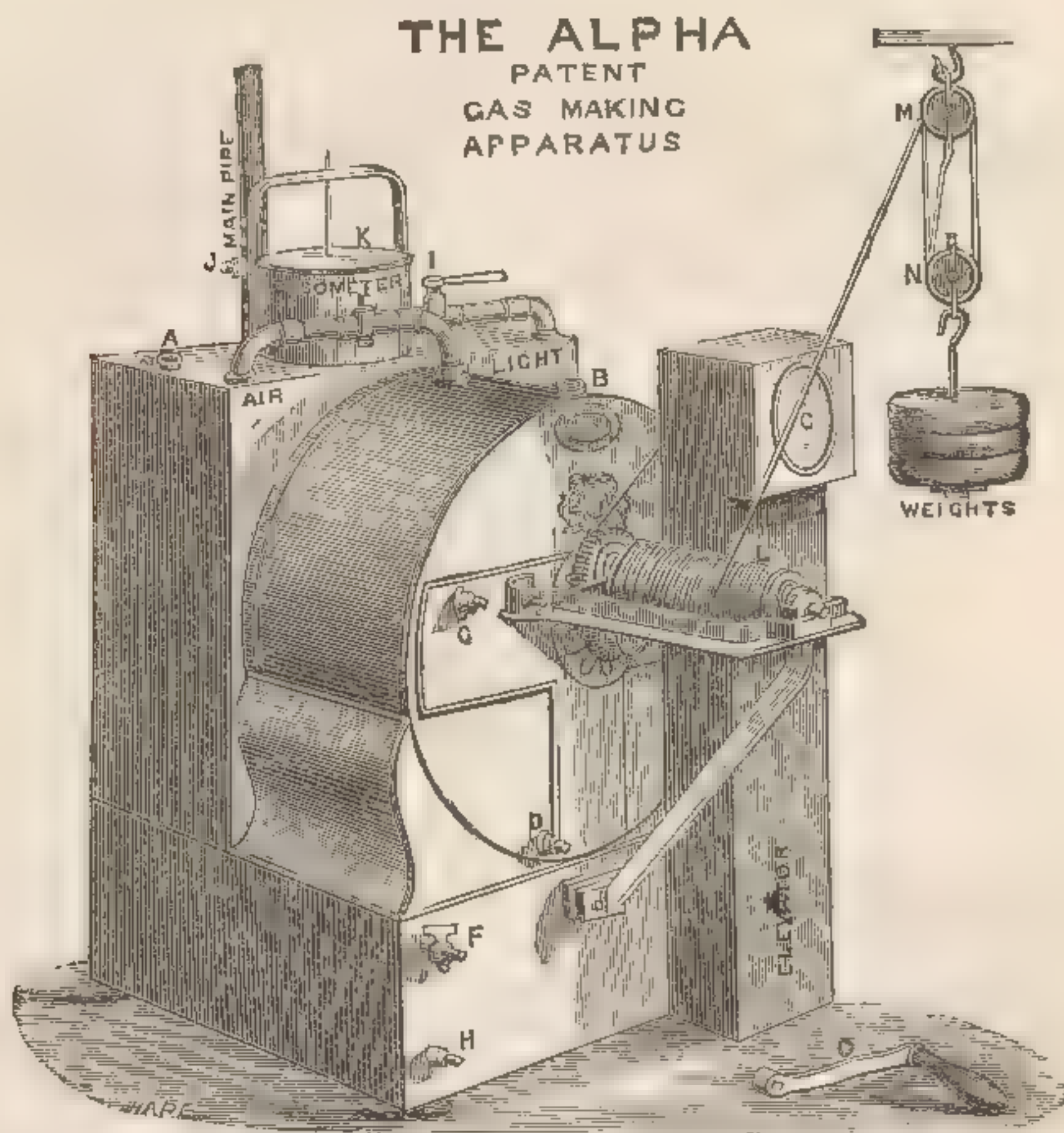
ASHANTEE HAMMOCK.

ASHANTEE HAMMOCK PACKED IN CASE
WITH STRAP TO HANG OVER SHOULDER.
SIZE OF PARCEL 9 x 3 IN. TO 12 x 5 IN.
WEIGHT FROM 1½ LBS. TO 4 LBS.

ASHANTEE HAMMOCK.

ASHANTEE HAMMOCK,
ADAPTED TO DAVY'S SPECIAL STRETCHER.

PORTABLE GAS-MAKING APPARATUS.



THIS Apparatus is specially constructed to supply a powerful light in districts where Coal Gas is unobtainable. It will produce Gas instantaneously of great brilliancy and with perfect safety, requiring neither coal, heat, nor skilled labour in its management.

The process is very simple. The reservoir being filled with gasoline, the weight wound up, and the main-tap turned on, the gas is ready for lighting. Being supplied with a self-feeding arrangement, this Apparatus gives a perfectly steady and uniform light, and all the attention required is winding up and refilling with gasoline when empty. The gas is produced in the same quantity as consumed, so that no waste or evaporation is possible.

The Apparatus is sent out ready for working, requiring simply filling, and is particularly adapted for exportation. There is no fear of its getting out of order. The Gasoline used is 6.50 gravity.

This Apparatus has been in use for more than three years in England and all parts of the world, and is giving entire satisfaction.

PRICES.

				PRICES.			Oil required for each charge—about	
No.	1	for	12 Lights	£	s.	d.		
...	1	for	12 Lights	16	16	0	...	5 Gallons.
„	2	„	25 „	30	0	0	...	8 „
„	3	„	60 „	55	0	0	...	20 „
„	4	„	100 „	90	0	0	...	40 „

For larger sizes special quotations will be given.

By the aid of the IMPROVED ATMOSPHERIC GAS ENGINE, which is adapted specially for this Machine, power is created suitable for all purposes, where steam cannot be had. Thus the danger of explosion is obviated, and the trouble of and constant attention to a steam boiler are avoided.

PORTABLE GAS-MAKING APPARATUS.

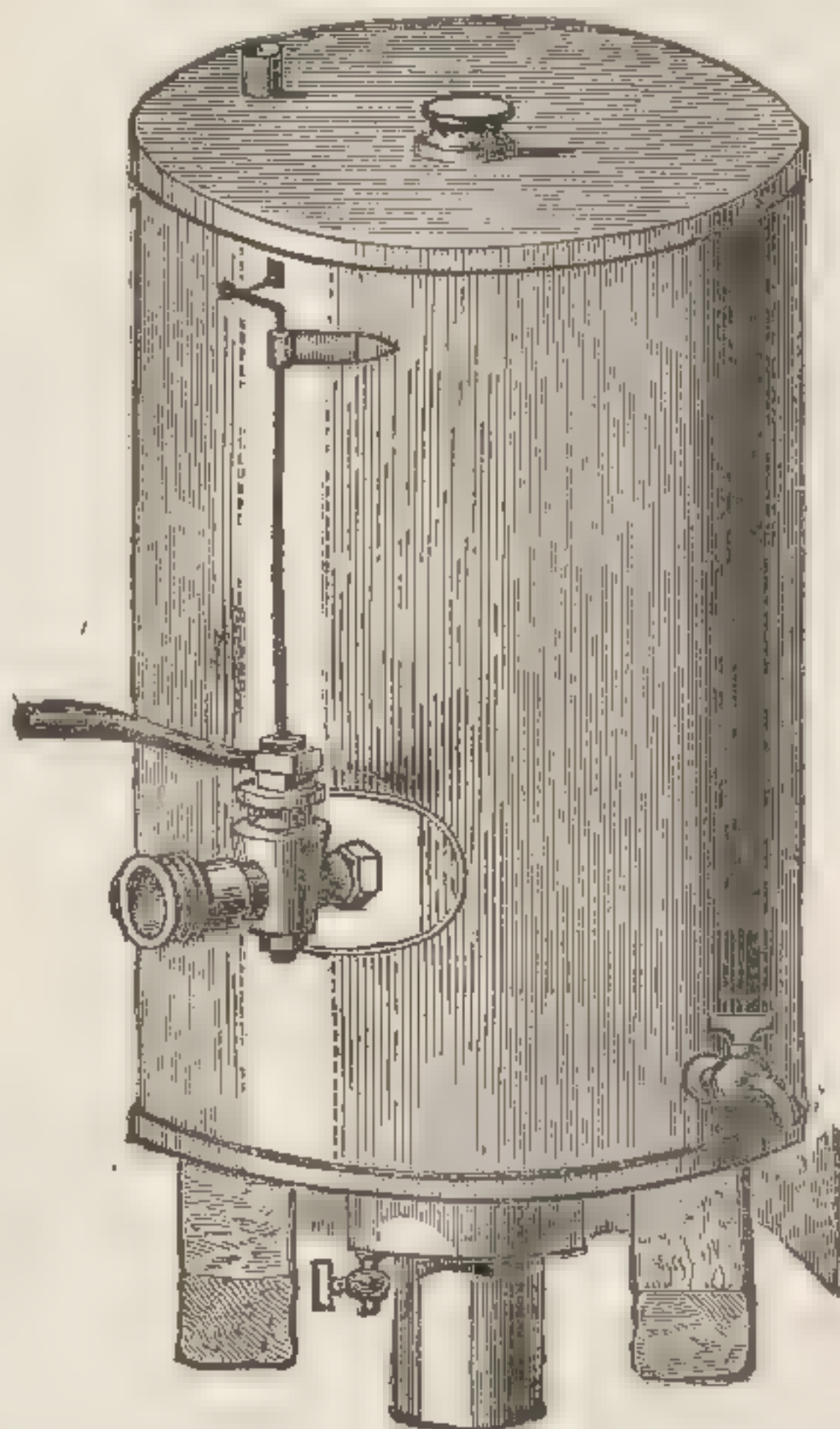
THE "ECLIPSE" GAS MAKER,

FOR LIGHTING WITH GAS

*Private Establishments, Churches, Schools, Farms, Railway Stations,
Manufactories, Vessels, &c., &c.*

The "Eclipse" is only made in one size (12 light), but should more lights be required, it is so arranged that any number may be joined together, or they may be worked from different parts of the house.

This is an important feature, as, in the event of the requirements of an establishment



being increased, the corresponding increase of producing power is so easily made. In a large house, by working them separately, a great saving would be effected in fixing the pipes, as they could be carried more directly to the spot where they were required, and smaller pipes could be used.

This Apparatus is entirely automatic in its action, there being no weights, springs, or other mechanism used. The gas is produced in the exact quantity required, and, should any light be turned out, the quantity made is at once automatically reduced.

No injury is done to Books, Pictures, &c., by the combustion of this gas, as no more sulphur is evolved than by burning wax candles.

The illuminating power of the gas is about 30 candles, or nearly DOUBLE that of the ordinary coal gas. The cost is about 5/6 per 1,000 cubic feet. There is no condensation in the pipes.

There is NO DANGER whatever in using it—the Apparatus might be even placed on a fierce fire with impunity.

PRICES.

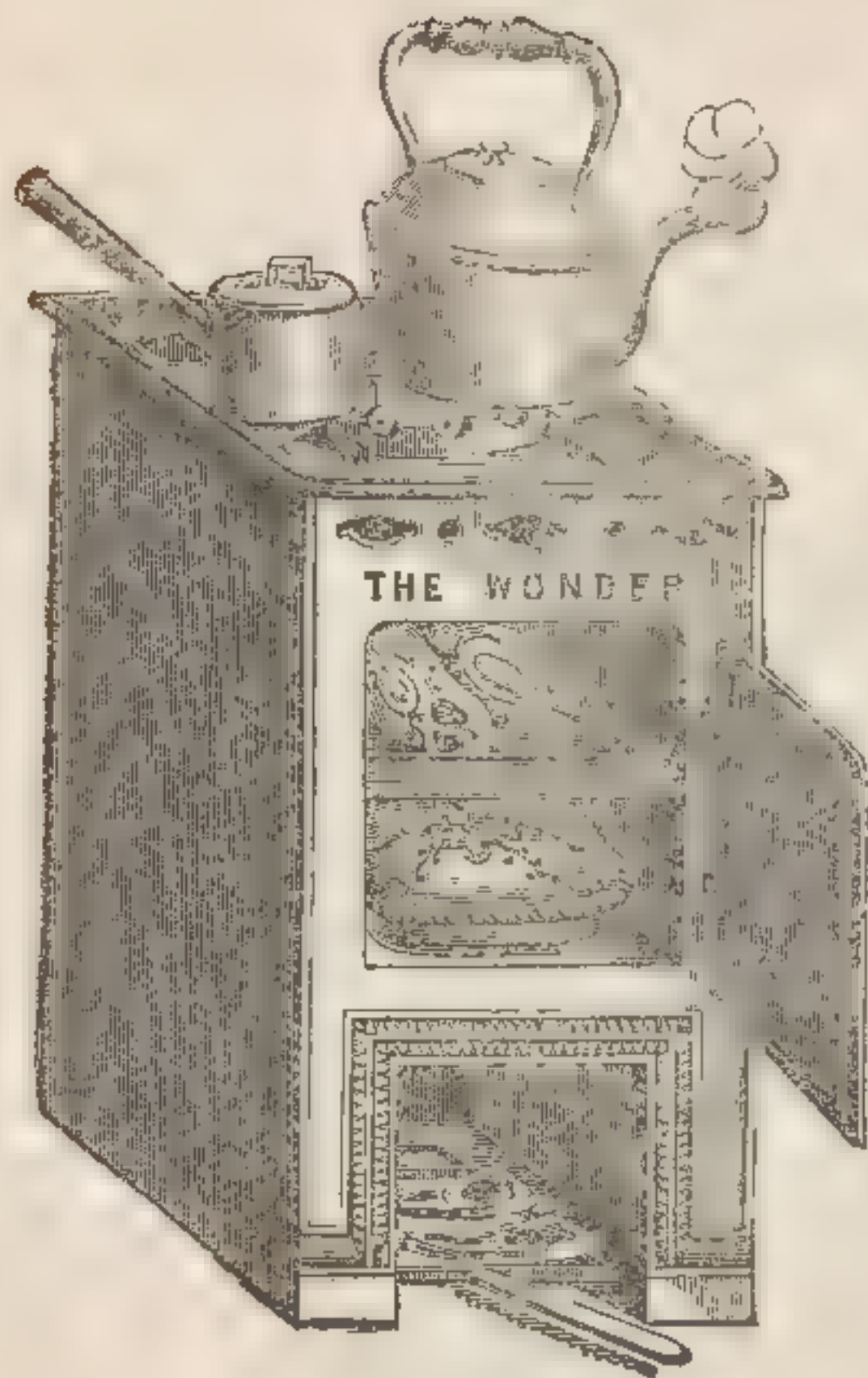
For 12 Lights	...	£13 7 6	For 48 Lights	...	£53 7 0
„ 24 „	...	26 15 0	„ 60 „	...	66 15 0
„ 36 „	...	40 0 0	„ 72 „	...	80 0 0

Larger sizes in the same proportion.

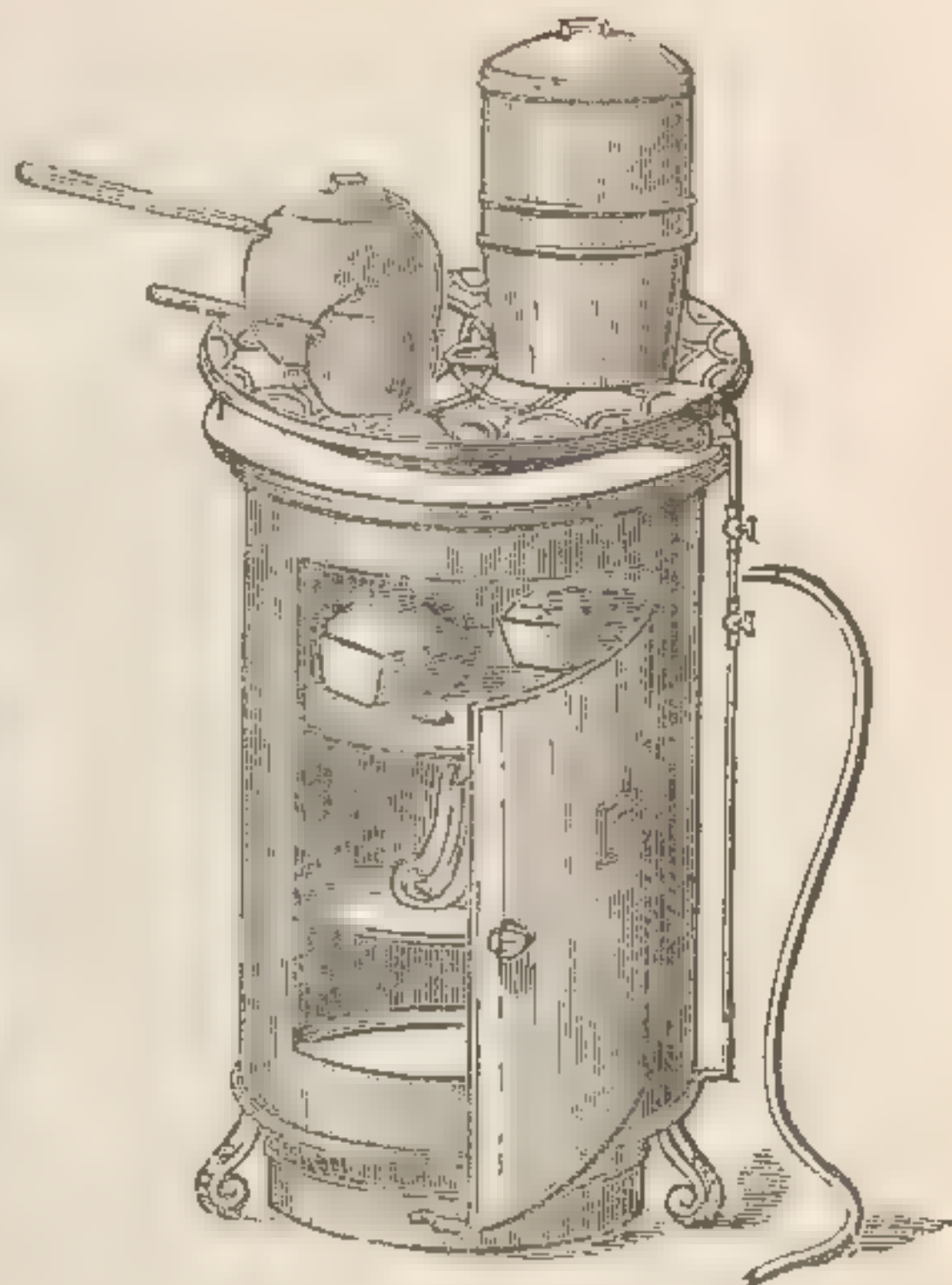
INSTRUCTIONS FOR USE.

Having opened the screw plug on the top, pour in gasoline, until it begins to run out at the small tap on right hand side of the engraving. Turn on the main tap, and the Apparatus is ready for use.

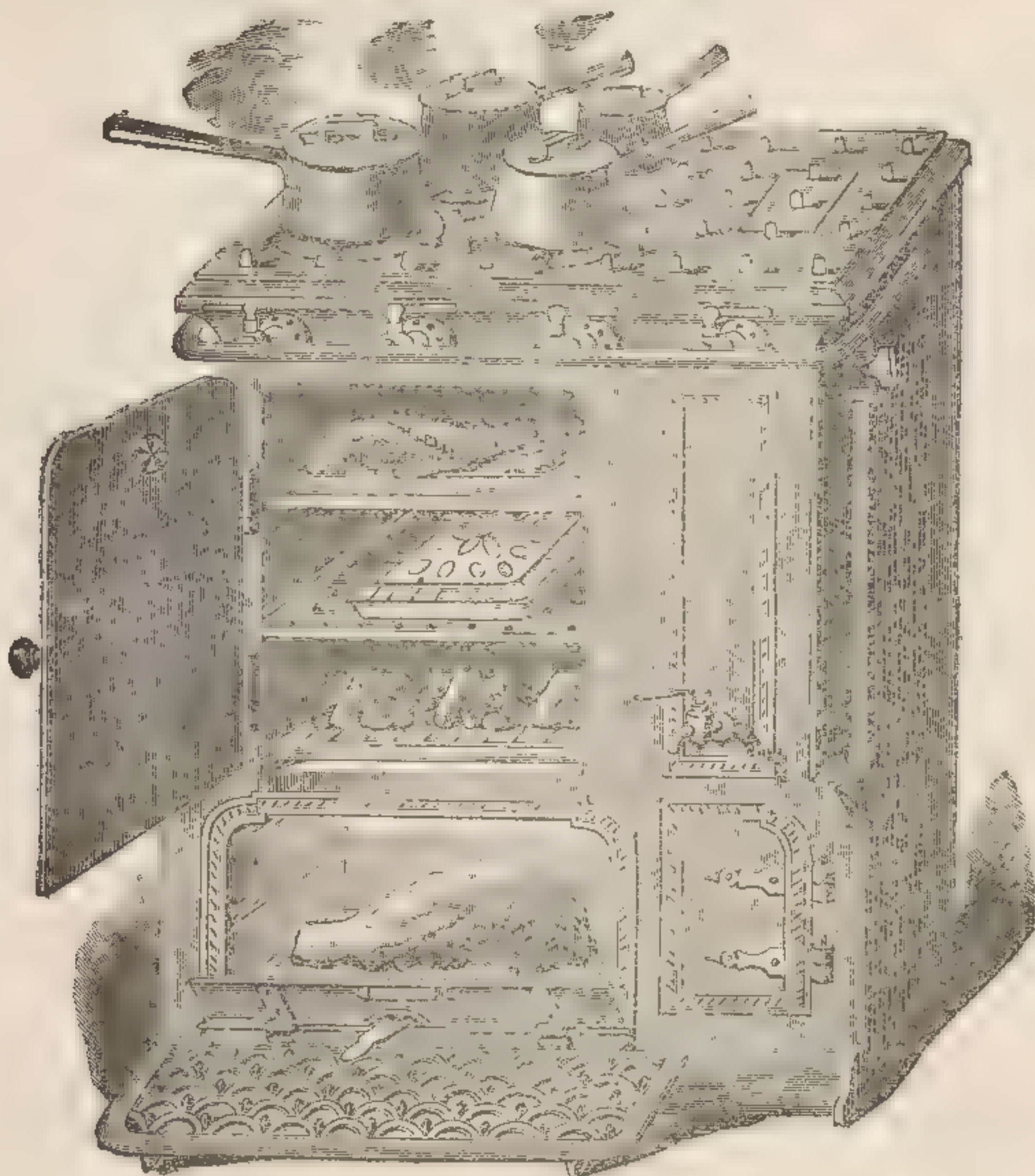
STOVES (Gas).



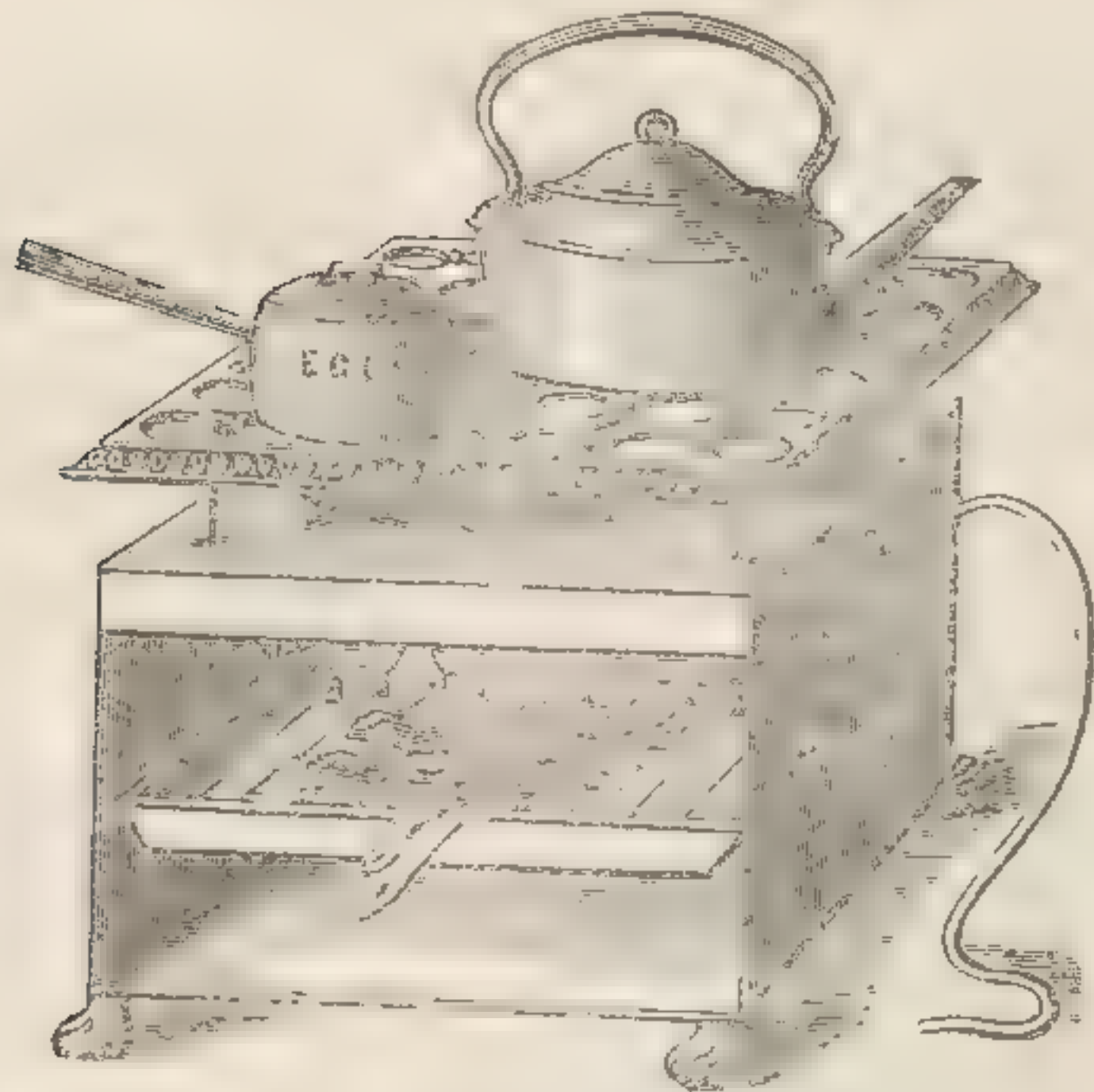
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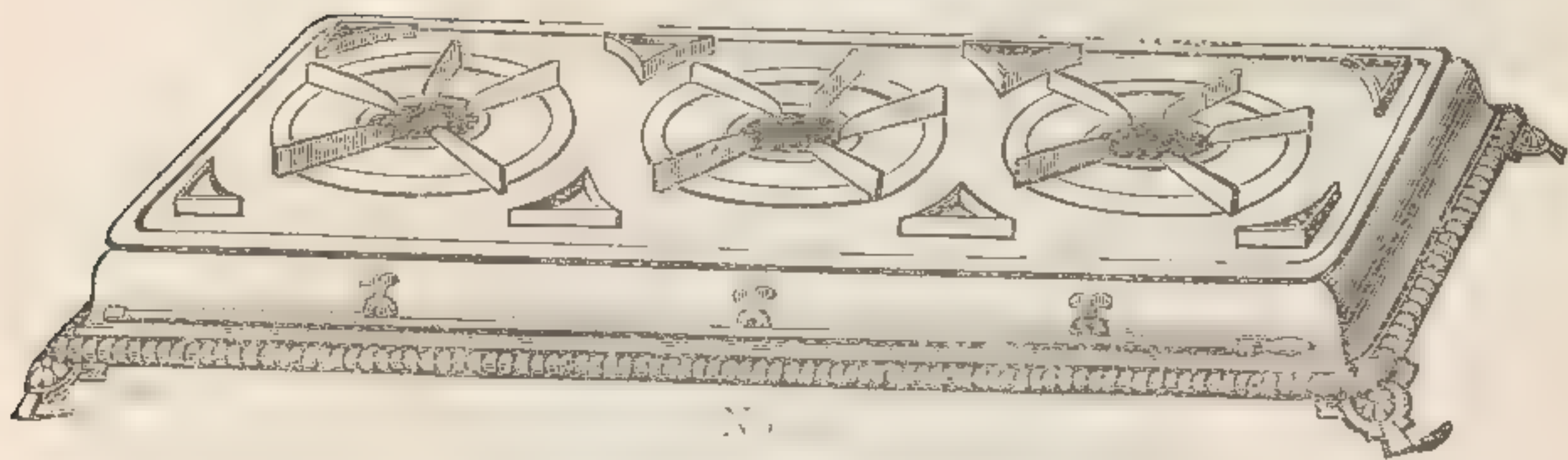
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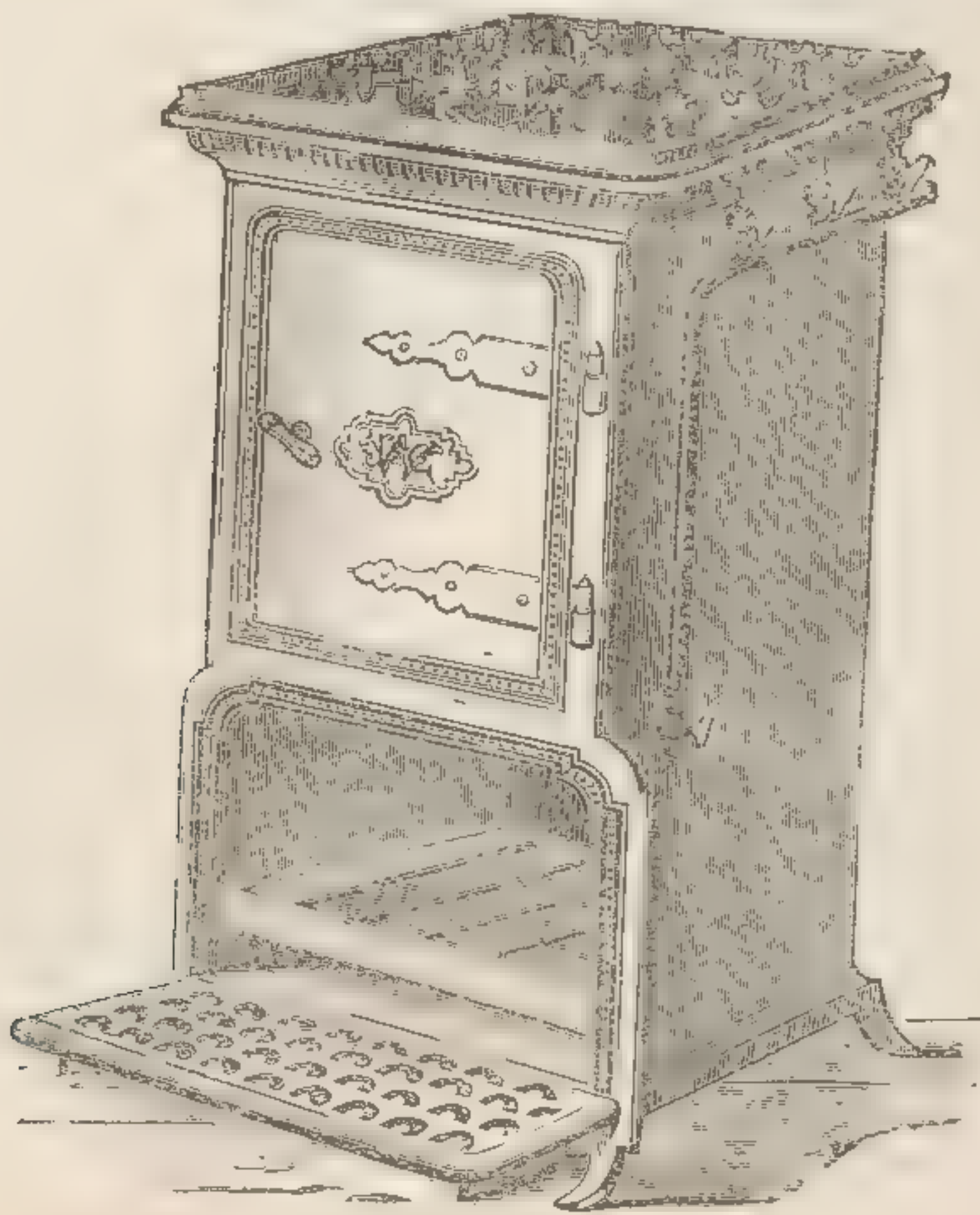
No. 3.

STOVES (GAS)—*continued.*

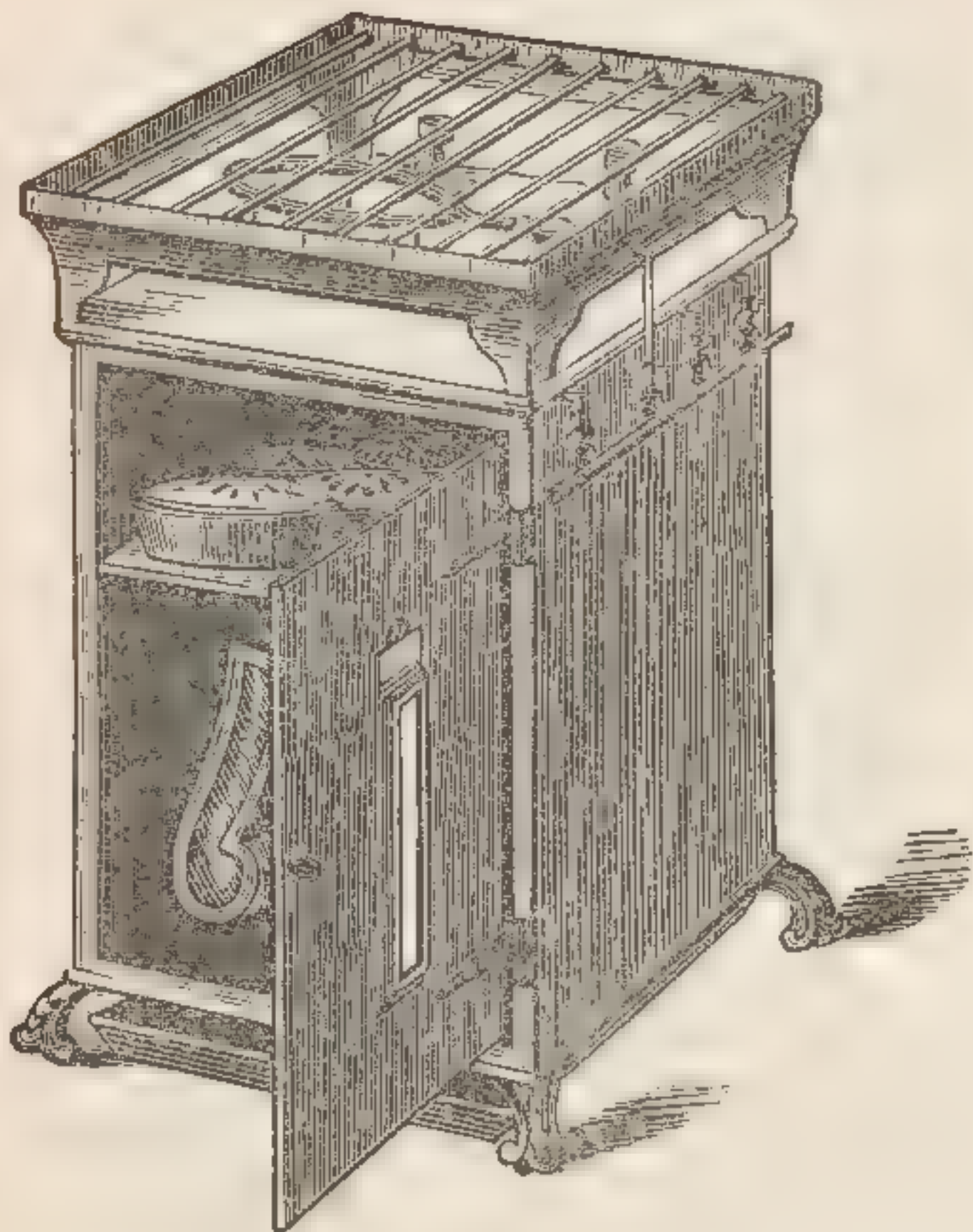
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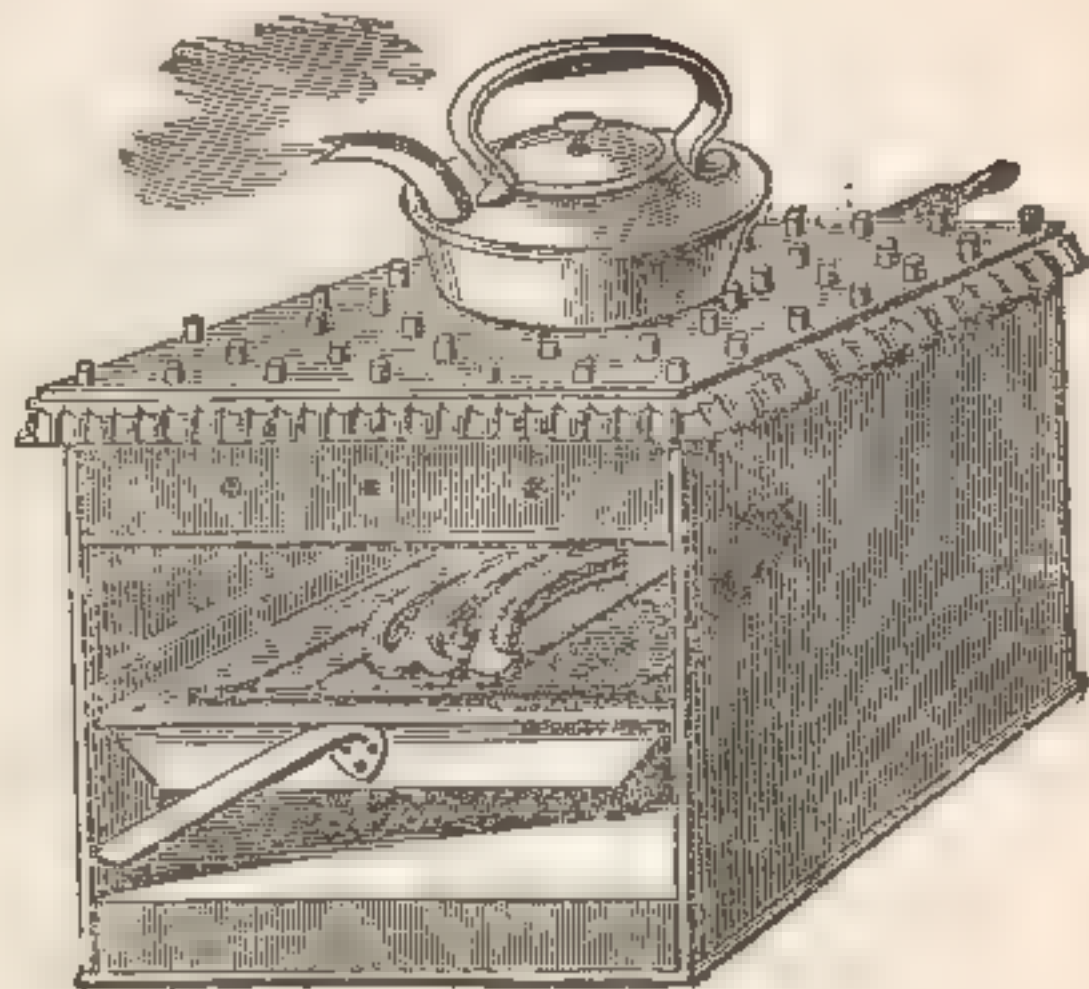
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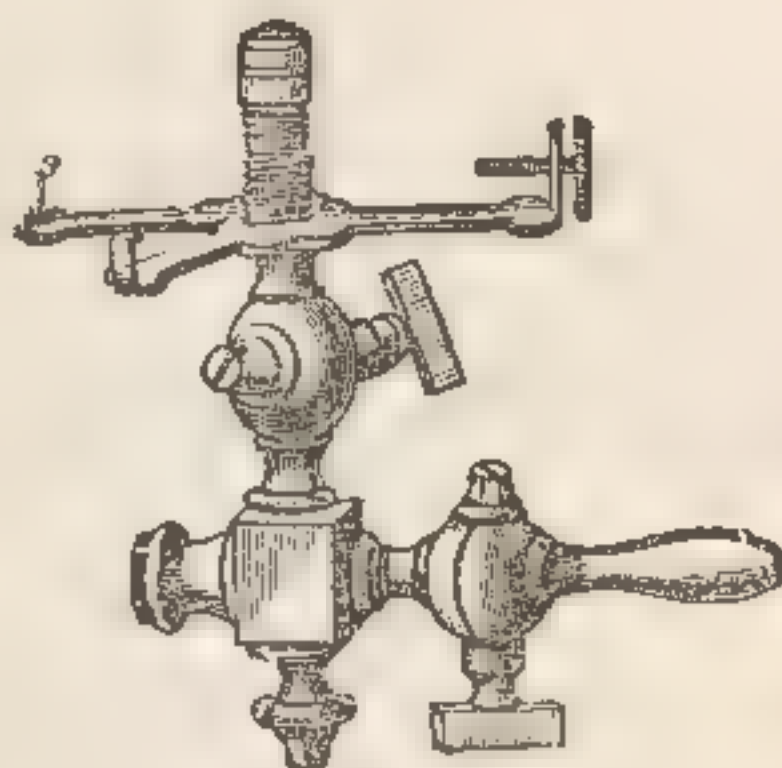
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STOVES (Gas)—*continued.*

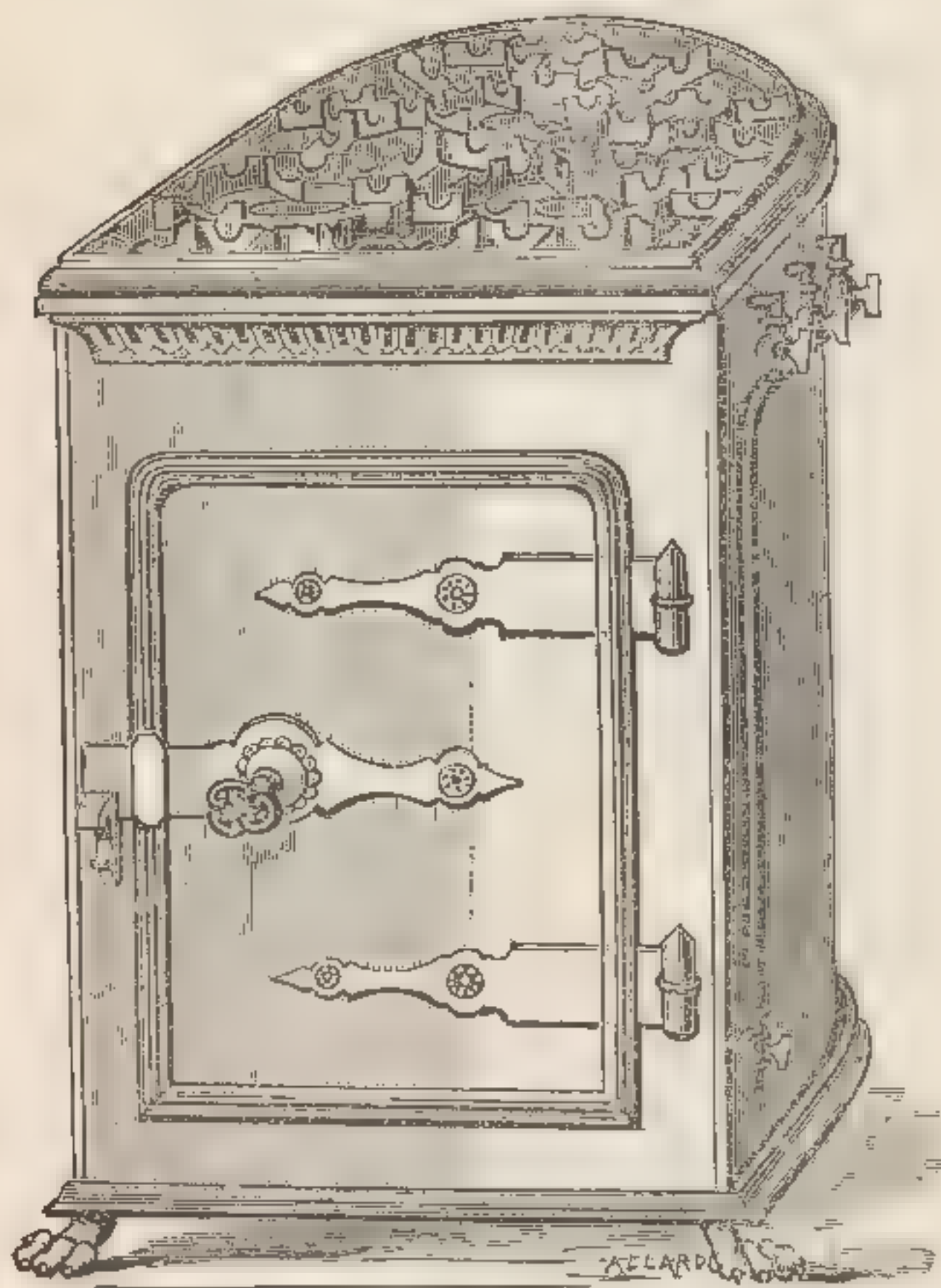
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No. 9.



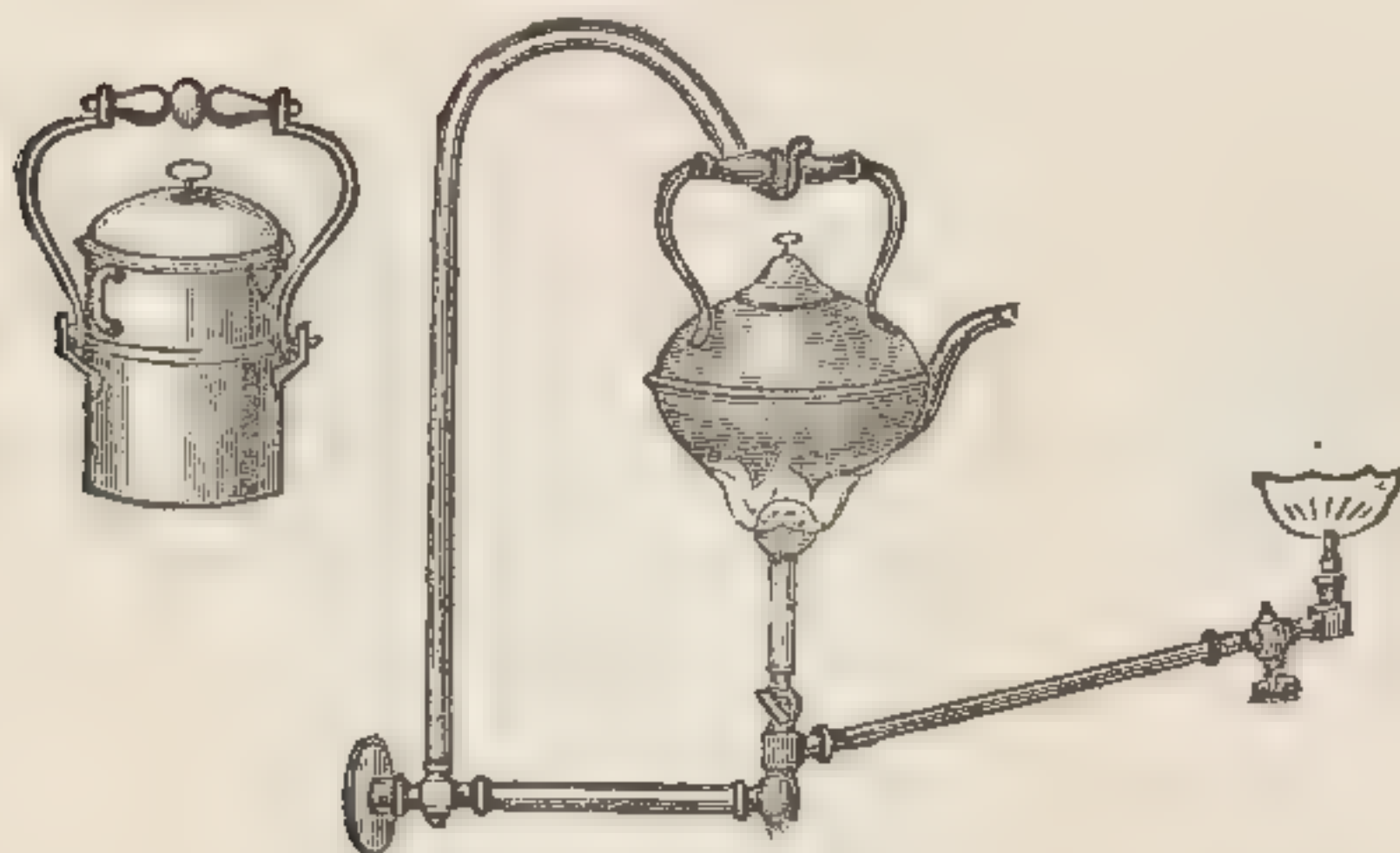
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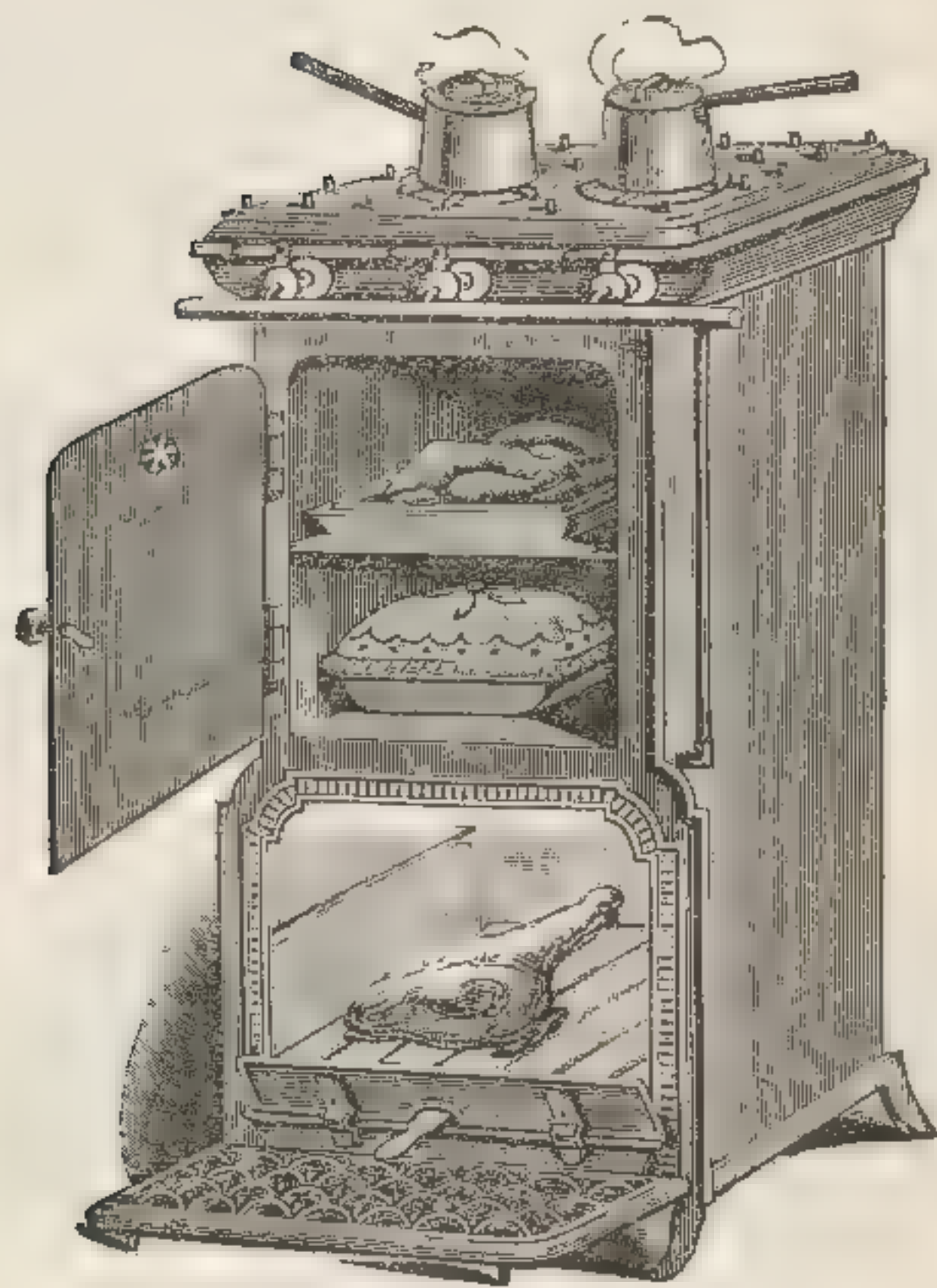
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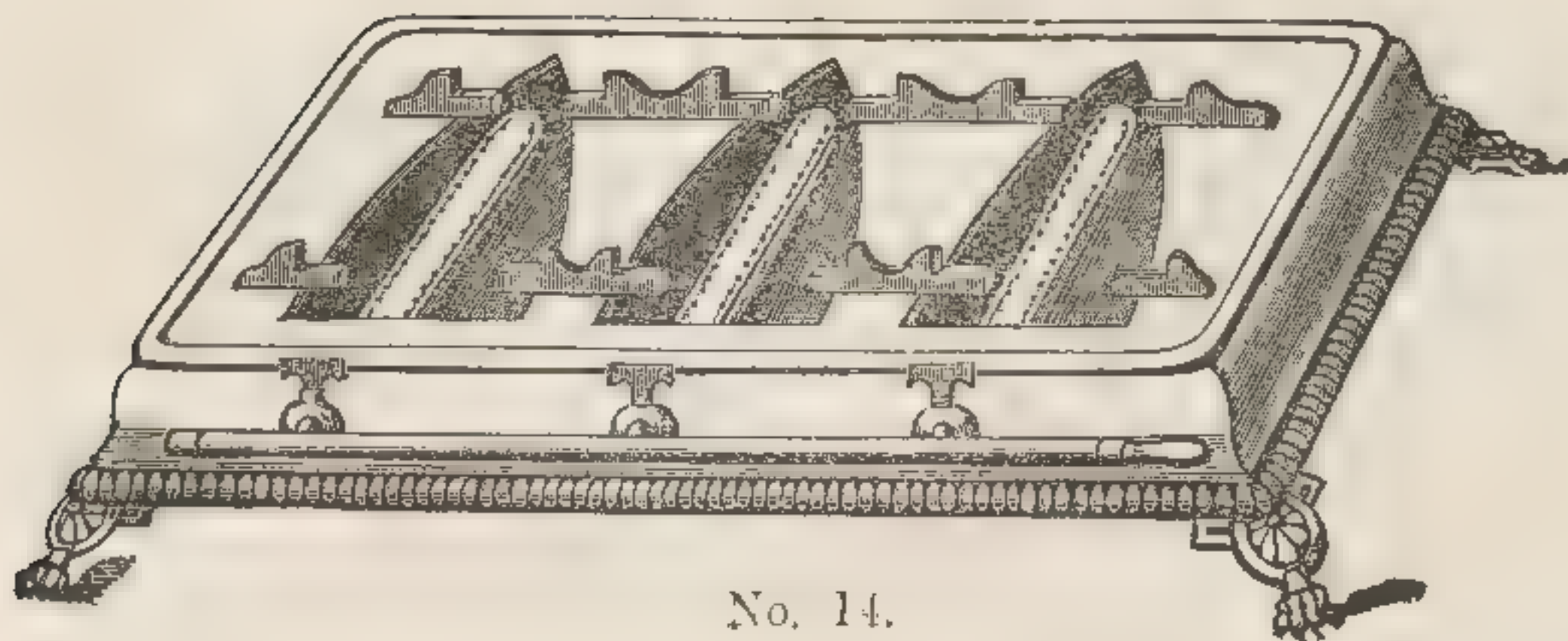
No. 11.

STOVES (Gas)—*continued.*

No. 12.

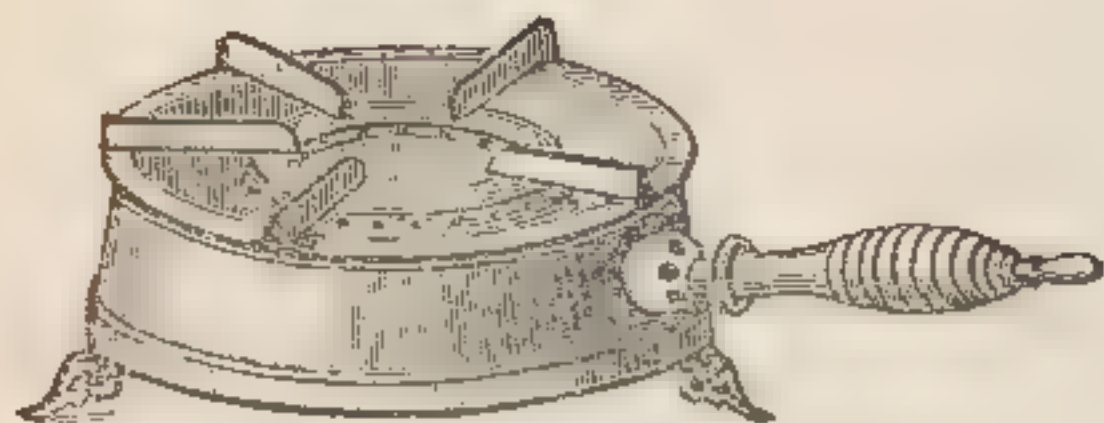


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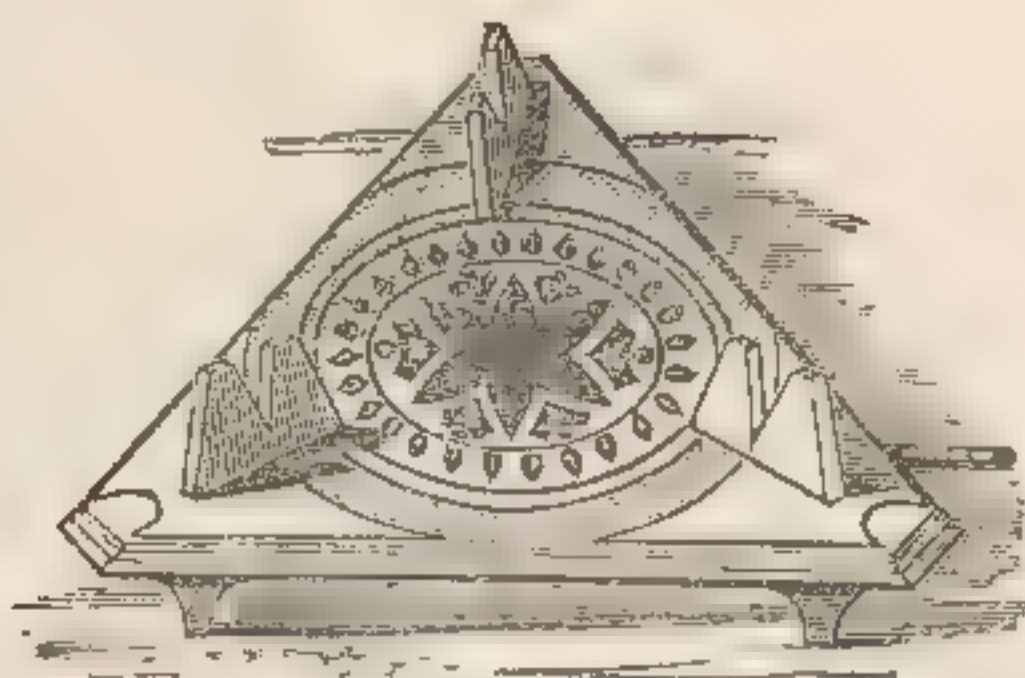


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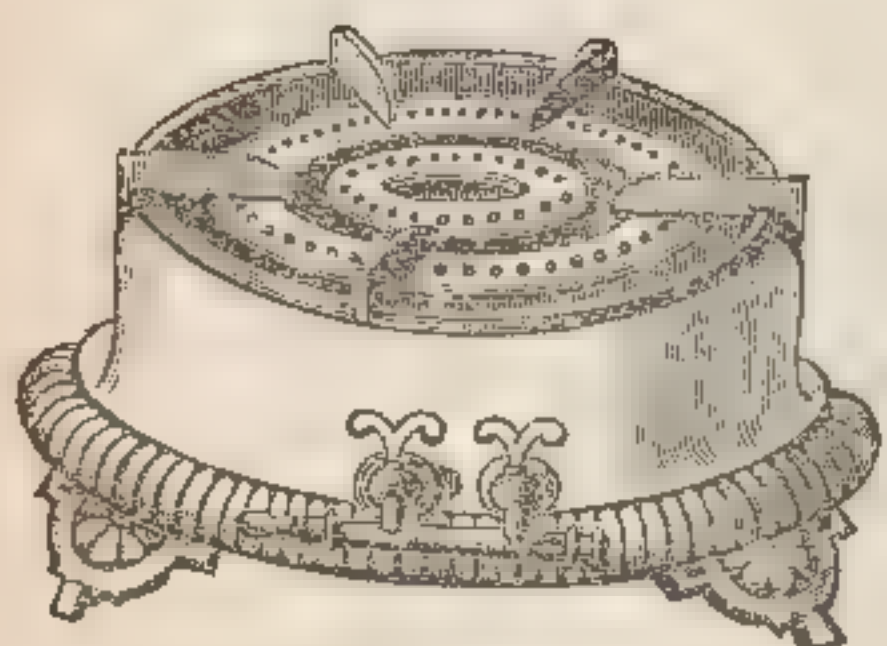
STOVES (Gas)—*continued.*



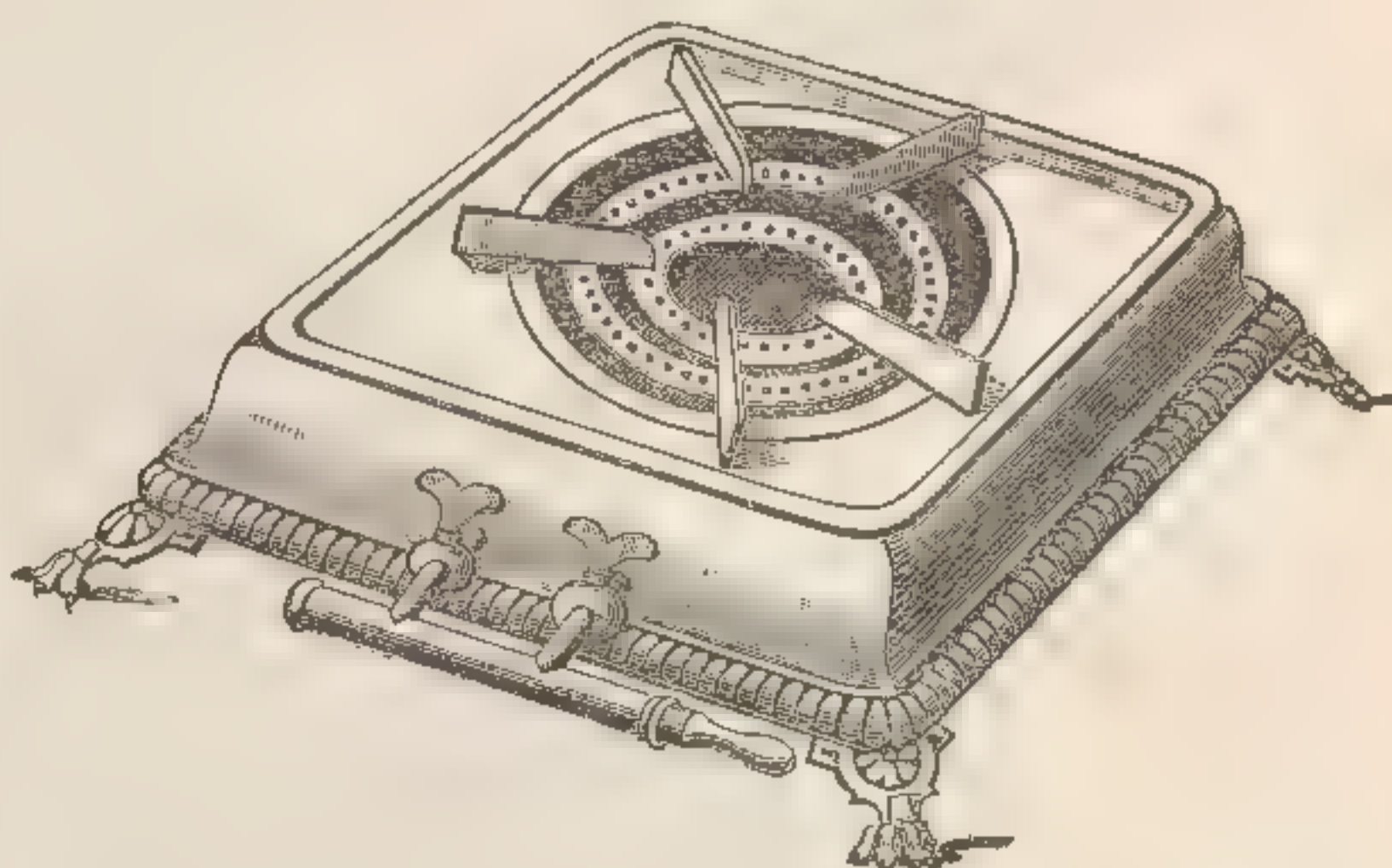
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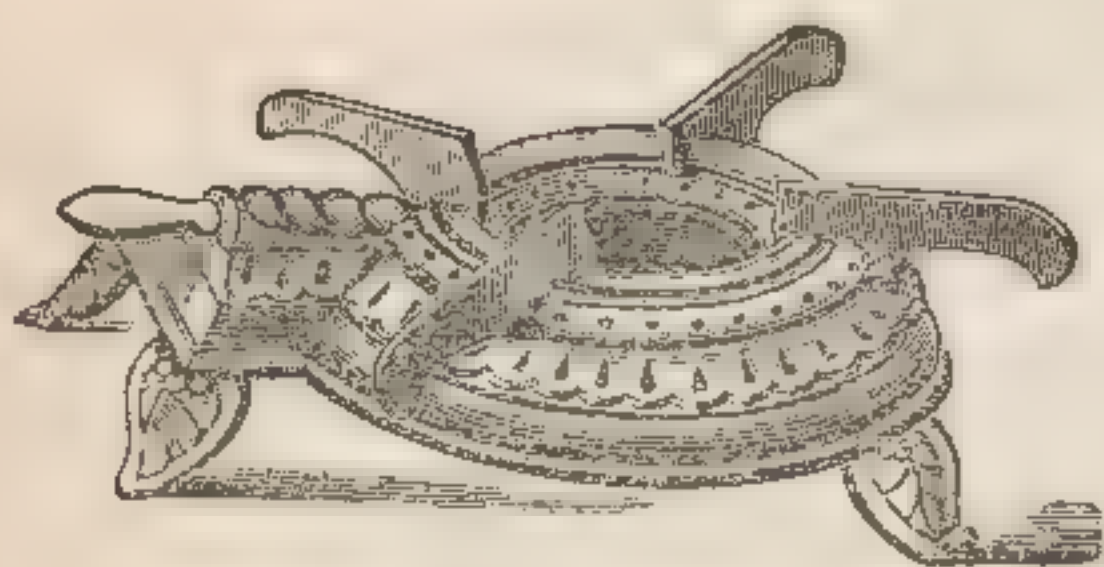
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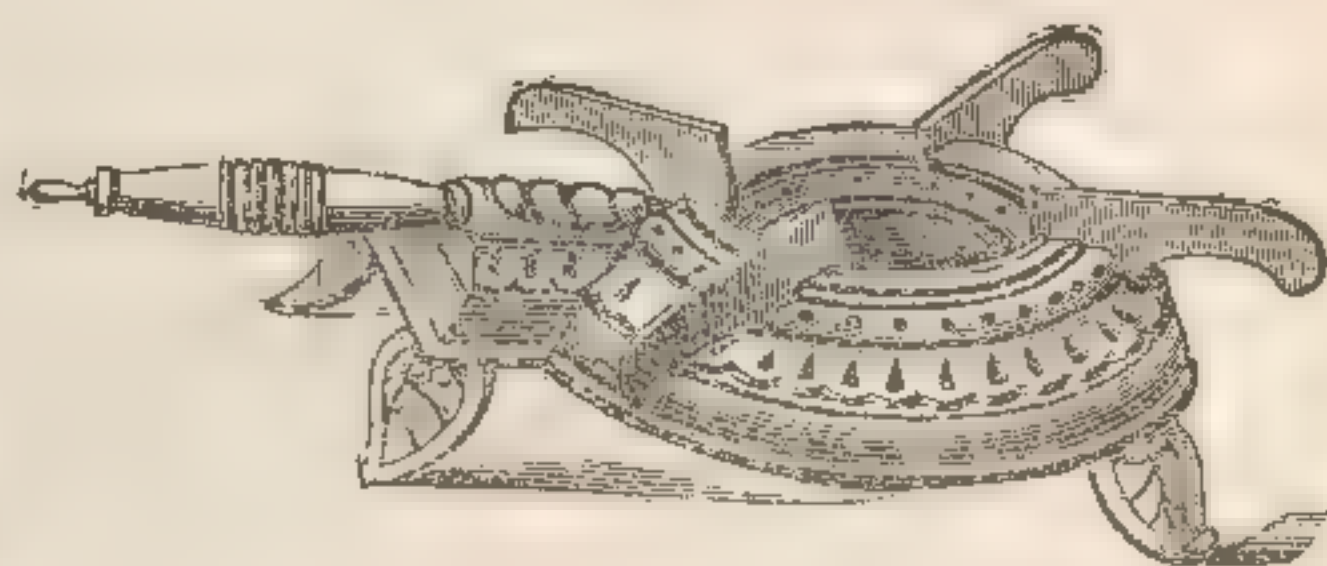
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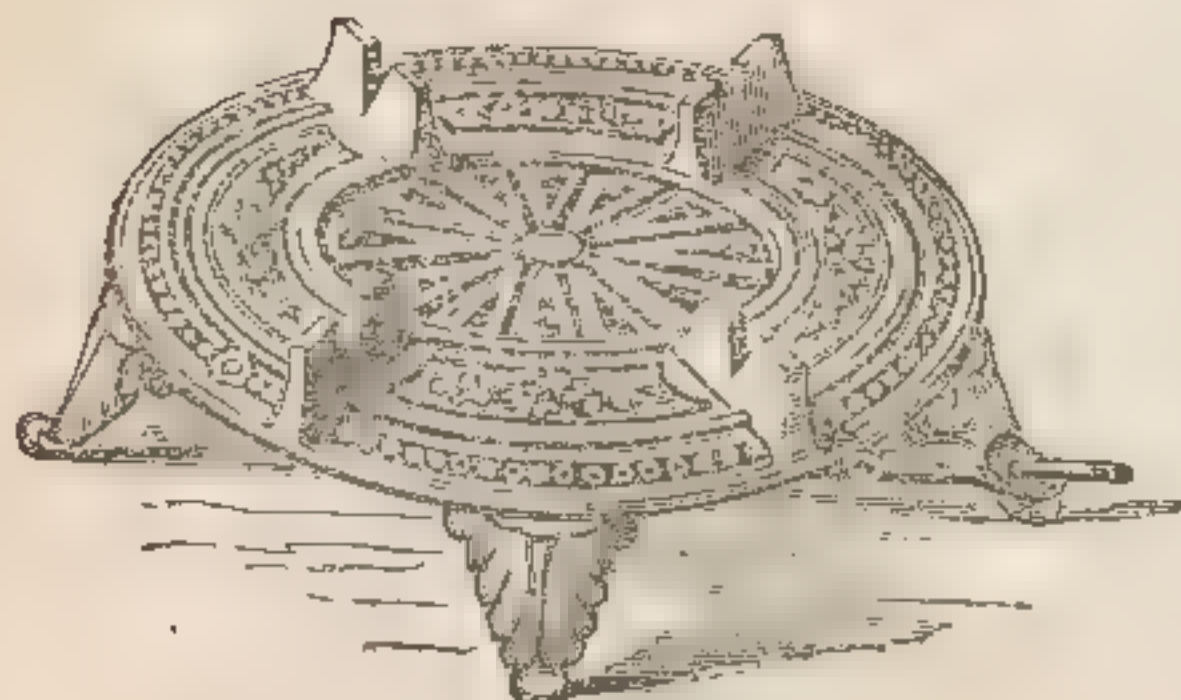
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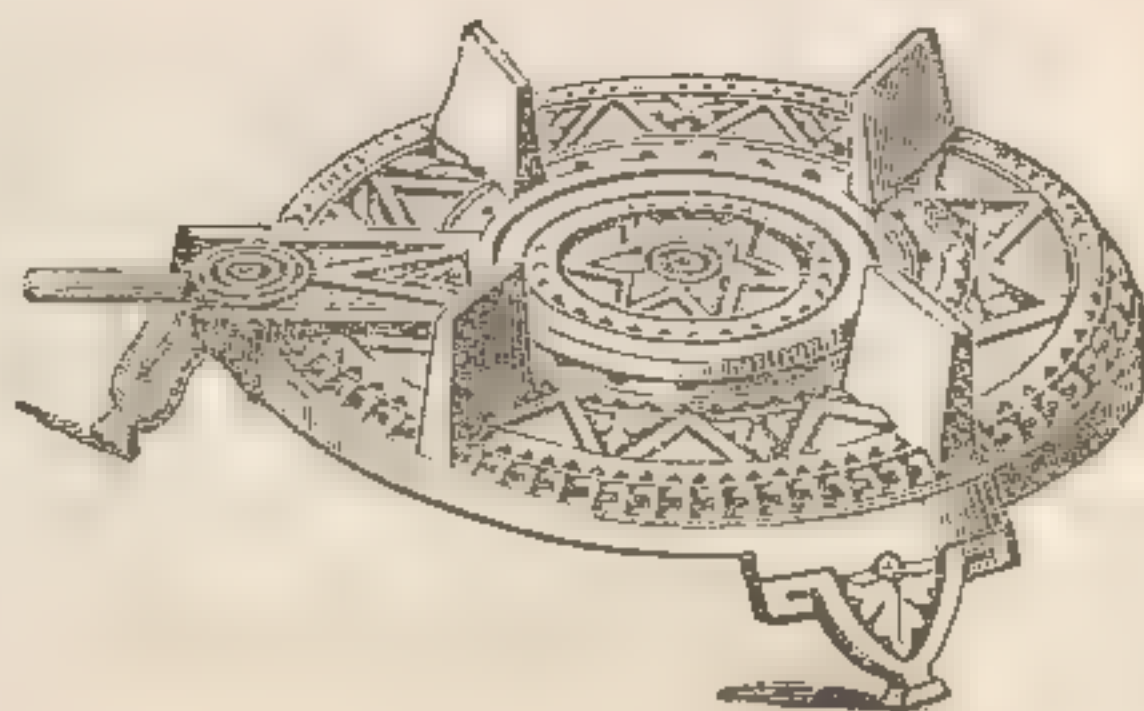
No. 17.



No. 21.



No. 18.



No. 22.

STOVES (Gas)—*continued.*

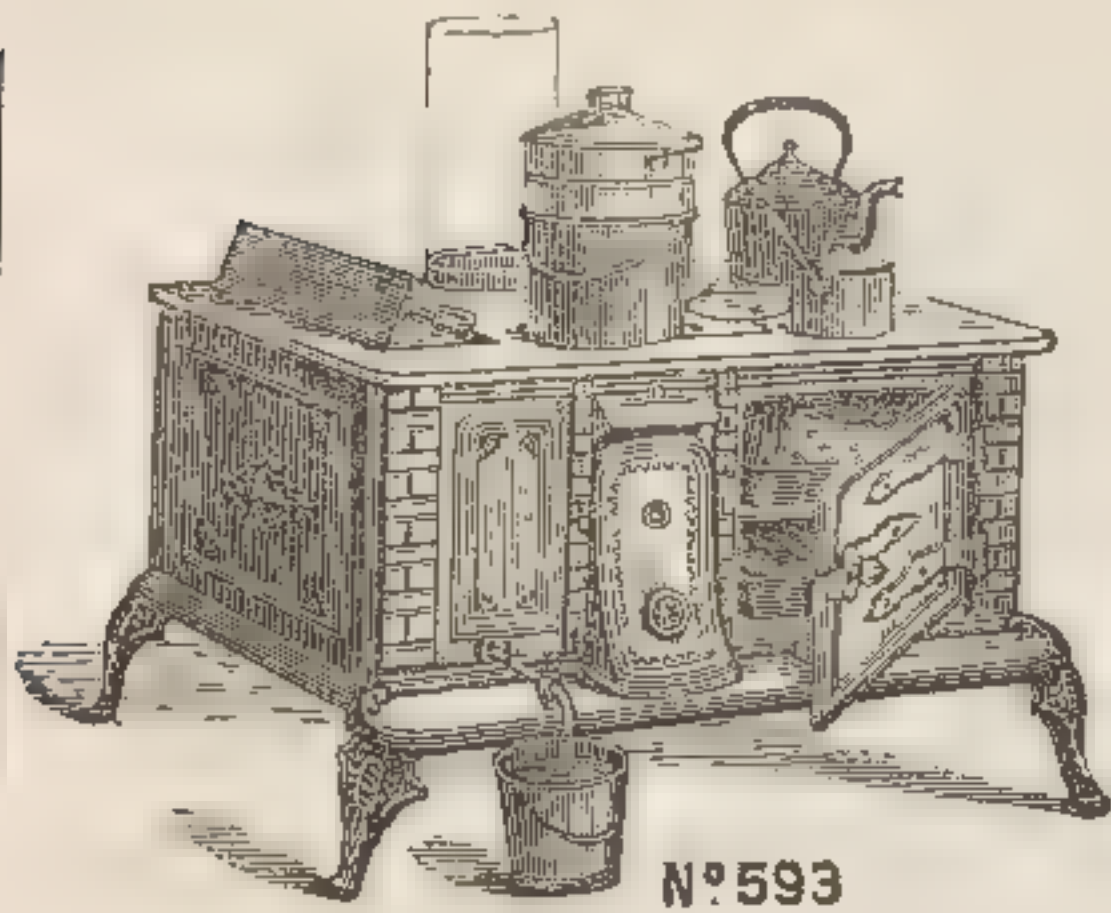
1.	25½ inches high, 14 inches wide, 12½ inches back to front ...	2	10	0
2.	14 inch diameter, with 16 inch Hot Plate	2	10	0
	16 inch diameter, with 18 inch Hot Plate	3	0	0
3.	3 feet high by 30 inch wide by 18 inch deep	11	5	0
This is similar to No. 6, but has a Tinned Copper Boiler attached, so that there may always be a supply of hot water.				
A Bright Tin Reflector is provided with the Nos. 3, 6, and 13, which hooks on to the front of the Pan. By this means the heat (which would otherwise radiate into the room) is reflected on the joint being cooked.				
4.	12 inches wide... ..	1	11	6
	16 inches wide	2	2	0
5.	2 Burners 22 inch by 12½ inch	0	12	6
3	„ 32 „ by 12½ „	1	0	0
4	„ 21 „ by 21 „	1	5	0
6	„ 31 „ by 21 „	2	0	0
6.	36 inches high, 18 inches wide, Hot Plate 22 inch by 16 inch with 3 burners for boiling	5	0	0
	Same as above, but with Roasting compartment lined with Glazed White Porcelain Tiles	6	6	0
7.	With Cast-iron Top, Bottom, and Door, 18 inch square, with two small Boiling Stoves and one large Boiling and Broiling Stove, with heat reflector. Top Boiling Plate 21½ inches square (<i>as engraving</i>)	6	6	0
	24 inches square, with two Folding Doors, three small Stoves, and one large Boiling and Broiling Stove, with heat reflector. Top Boiling Plate 26½ inches square	8	8	0
8.	Outside—30 inch high, 15 inch wide, 16 inch deep. Inside 19 inch high, 12 inch wide, 12 inch deep. For roasting baking, and frying, and one burner for boiling	2	0	0
	Same as above, but with two burners for boiling	2	13	6
	Outside—30 inch high, 20 inch wide, 20 inch deep. Inside 19½ inch high, 14 inch wide, 17 inch deep. With three burners on top for boiling	3	8	0
	Outside—36 inch high, 24 inch wide, 22 inch deep. Inside 24 inch high, 18 inch wide, 18½ inch deep. With three burners on top for boiling	6	6	0

STOVES (Gas)—*continued*.

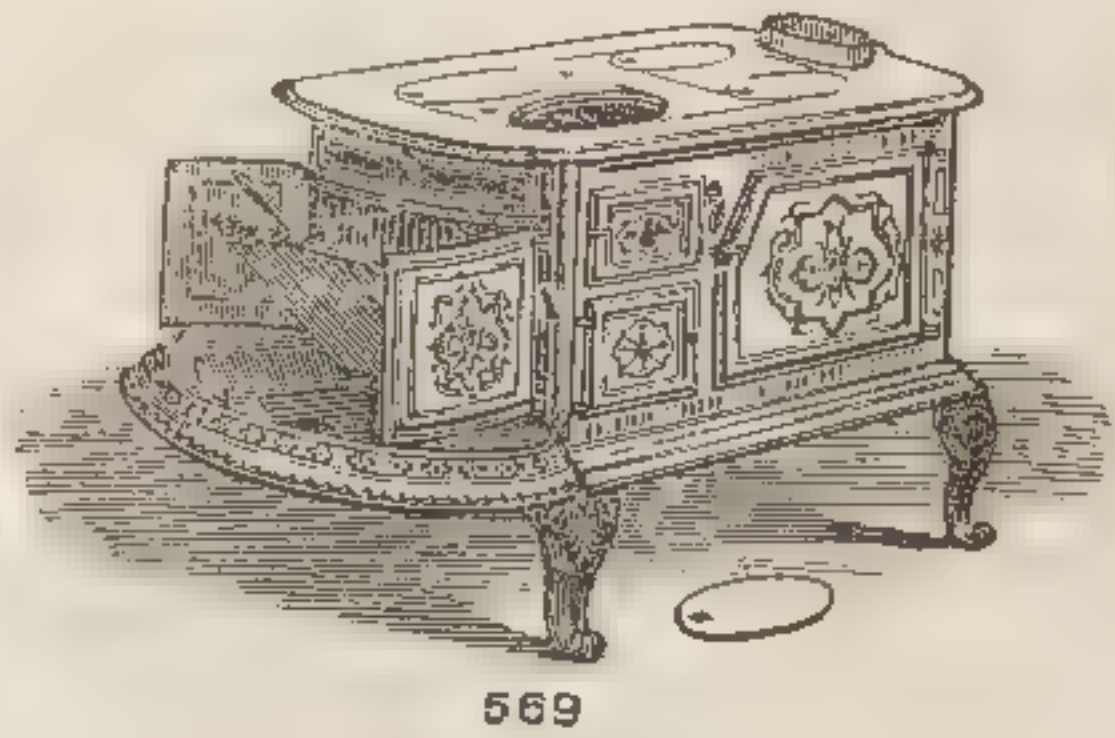
							£	s.	d.
9.	Will cook steaks, chops, or bacon, toast bread and boil with one burner only. With sliding valve for boiling 7 inch wide, 7½ inch high, 9 inch deep						0	10	6
	9 inch wide, 9½ inch high, 11 inch deep						0	15	0
10.	Tube Connector for Bracket, ⅜inch, 2/6 ; ½inch, 3/- By removing the ordinary elbow from the end of a Bracket or Pendant, and substituting the above, a Stove or Reading Lamp can be supplied without trouble, at a very trifling cost.								
11.	Shewing Chop cooking under Stove, and Potatoes, &c., baking in the Small Oven formed by 2 Heat Reflectors or Diffusers placed on top.								
The Heat Reflectors or Diffusers are very useful for directing the heat, either for Boiling or Broiling, by being placed above or under the Stove, as may be required.									
Stove Reflectors and Pans, and Gridiron, complete, as shewn, 10in. diameter, 12/6 ; 11in. 17/-									
12.	Nursery Bracket	...	...	...	...	...	0	6	0
	Extra Strong	...	...	...	...	...	0	9	0
	Pannakin	...	...	...	...	...	0	2	0
13.	29 inches high, 15 inches wide. Hot Plate 16 by 13in., with 2 Burners for Boiling...						3	10	0
14.	Ironing Stove, to heat 1 Iron...						0	2	6
	„ 2 „	...	...	...	...	...	0	6	6
	„ 3 „	...	...	...	...	...	0	10	0
15.	Boiling Stove, 6½in. 2/- ; 7½in. 2/4 ; 8½in. 3/8 ; 10in. 6/- each.								
16.	„	10in. 8/6 each.							
17.	„	5½in. 1/6 ; 6in. 2/- ; 7in. 3/- ; 7½in. 4/- each.							
18.	„	7½in. 2/6 each.							
19.	„	1/- each.							
20.	„	10in. 8/6 each.							
21.	„	5½in. 2/- ; 6in. 2/2 ; 7in. 3/- ; 7½in. 4/4 each.							
22.	„	6in. 1/- each.							

In the prices of the above Stoves, Pans and Gridirons are included when shewn in the drawings. Saucepans, Steamers, and Kettles are extra.

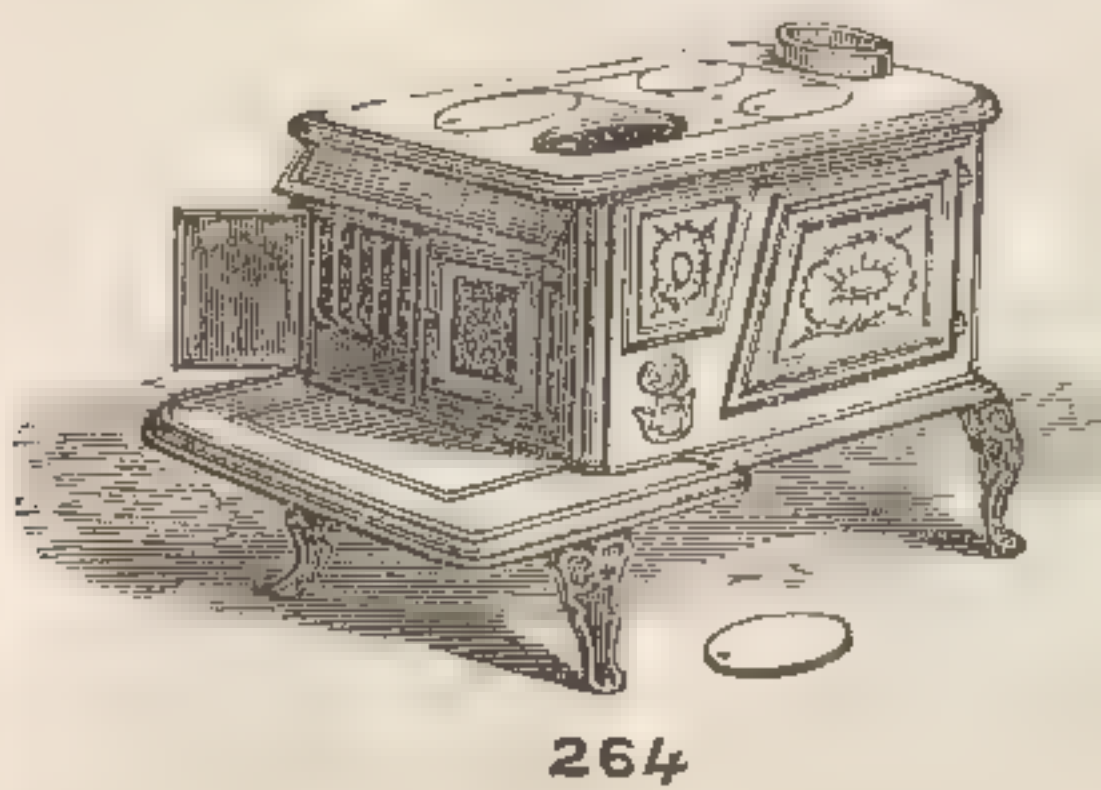
STOVES (Coal, Coke, and Wood.)



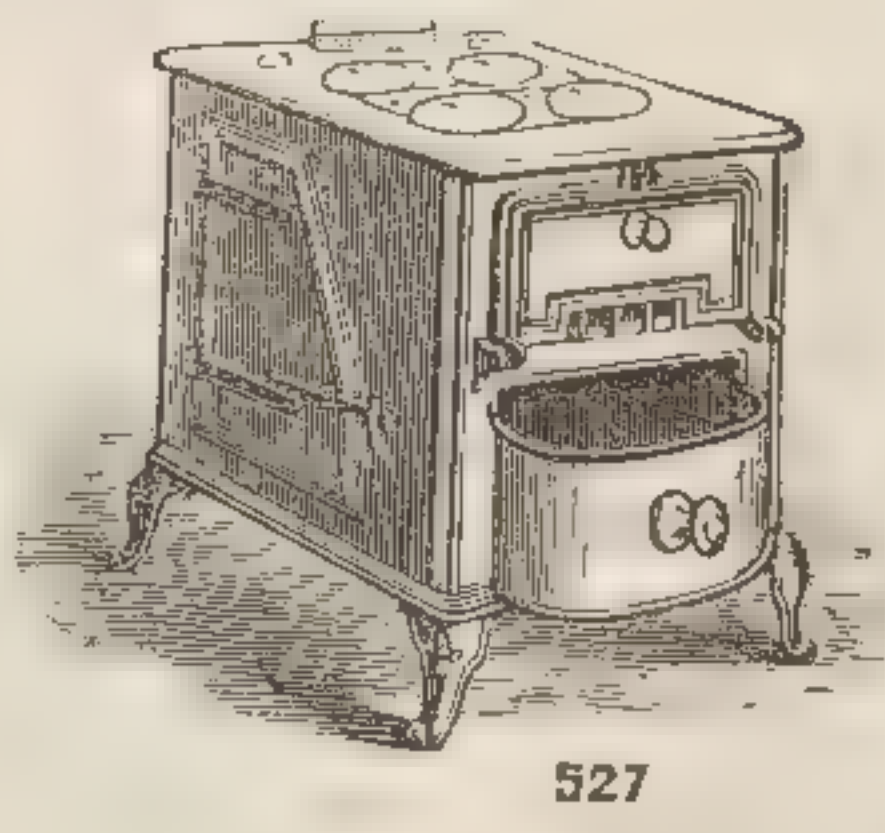
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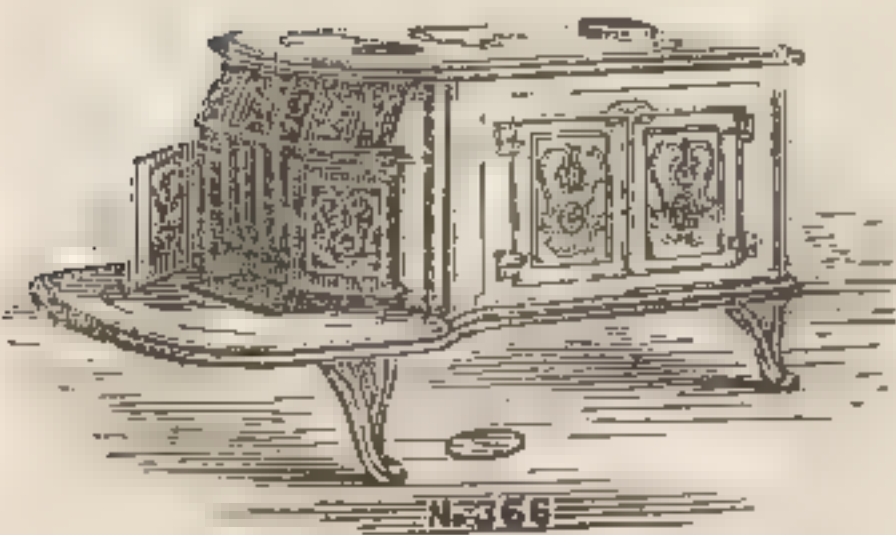
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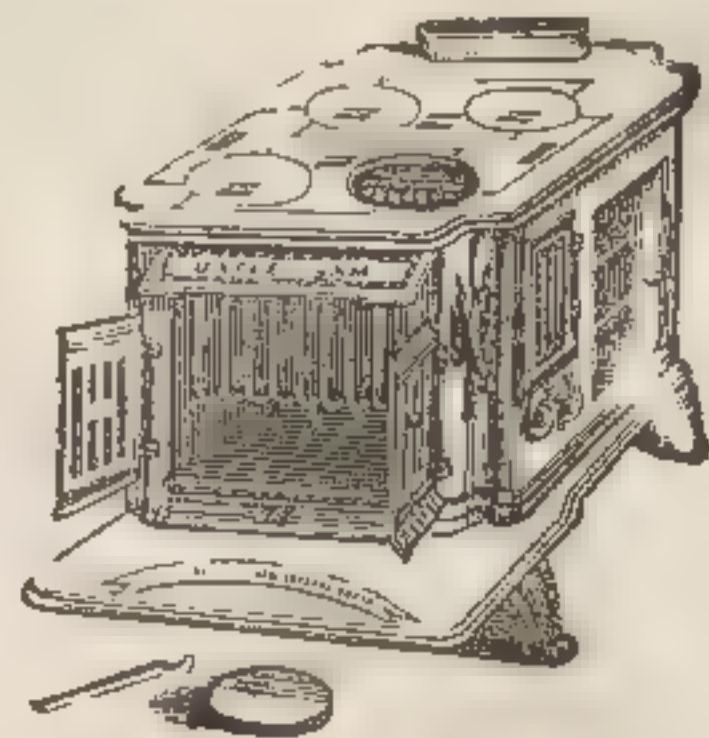
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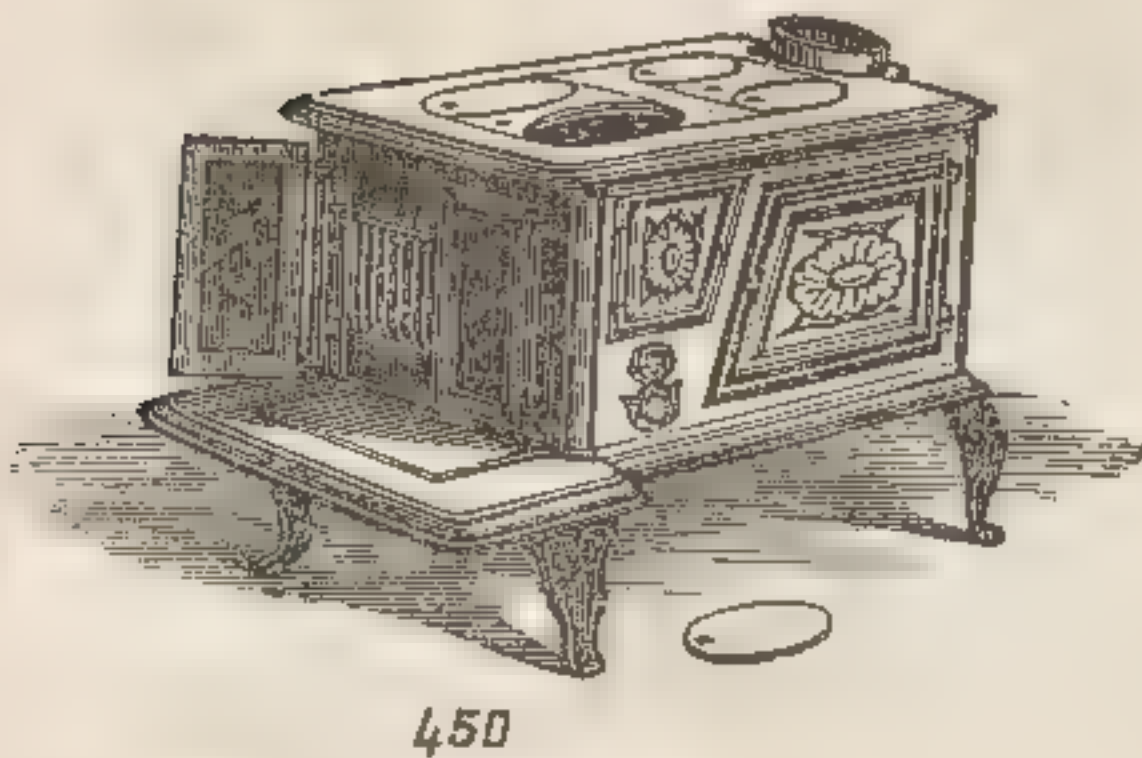
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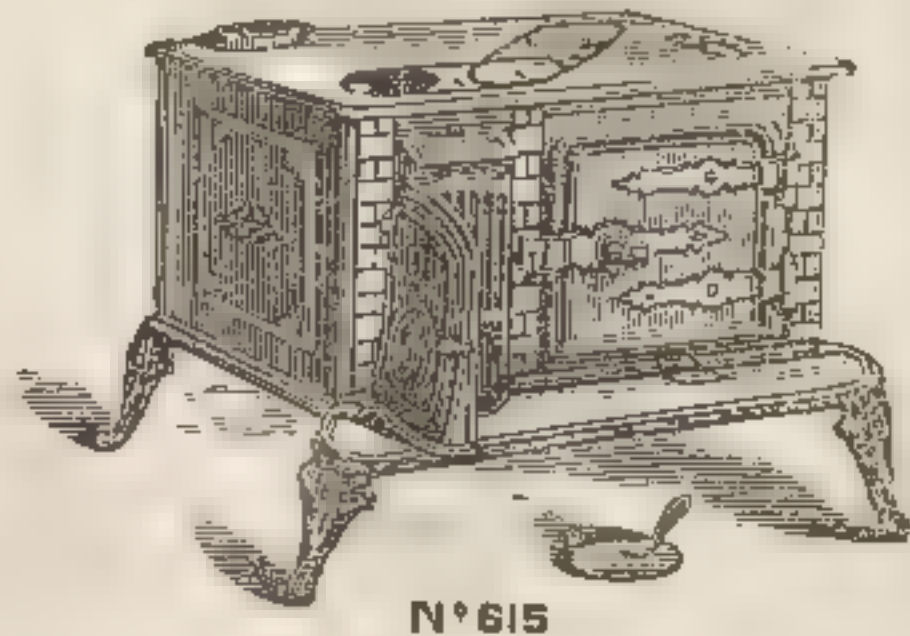
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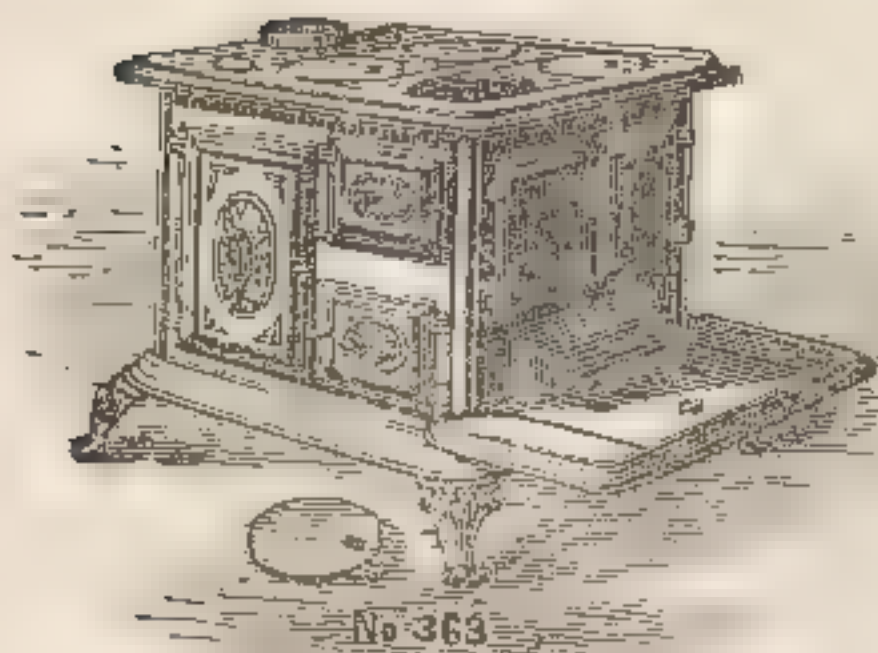
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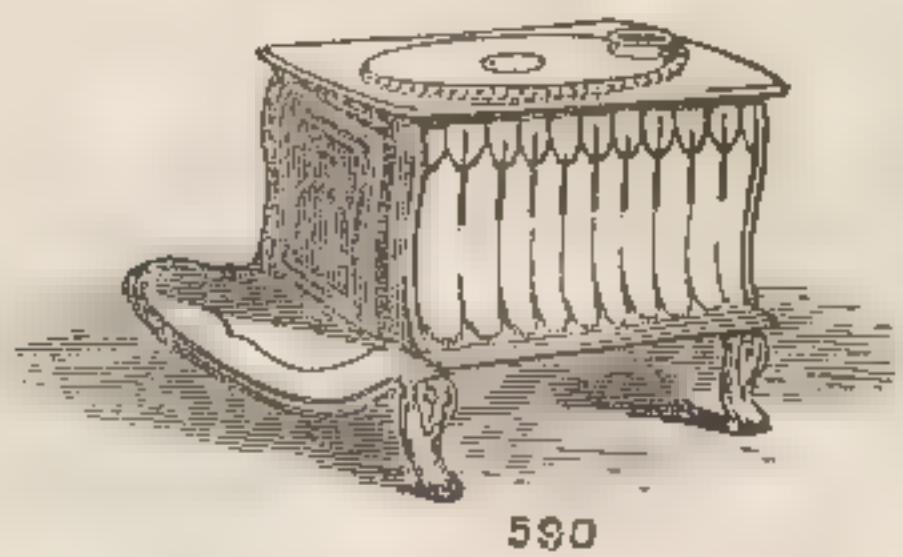
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Nº615



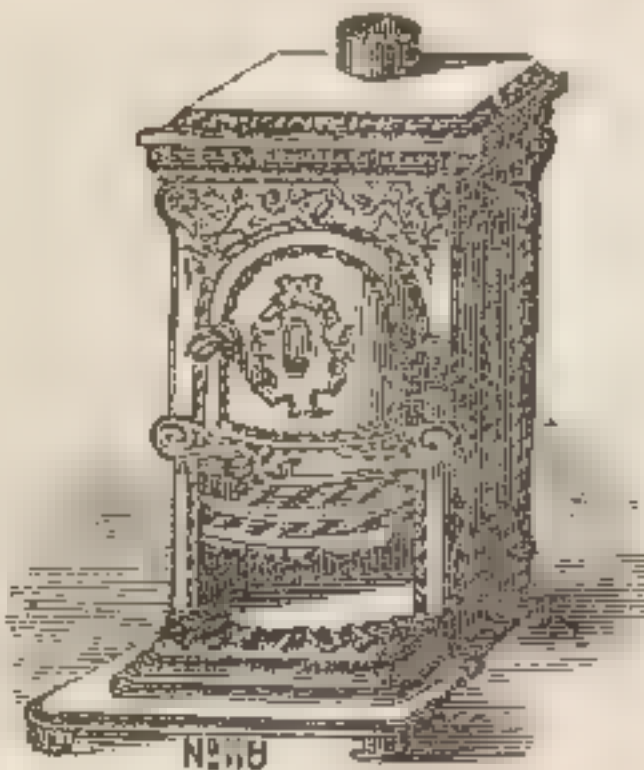
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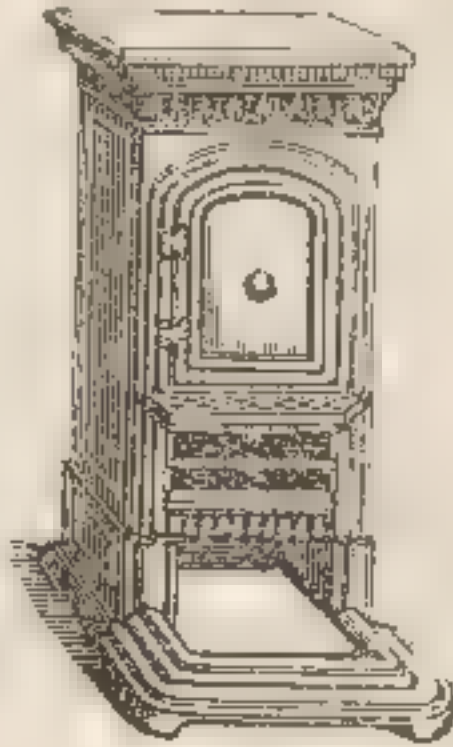
590

STOVES (Coal, Coke, and Wood)—*continued.*

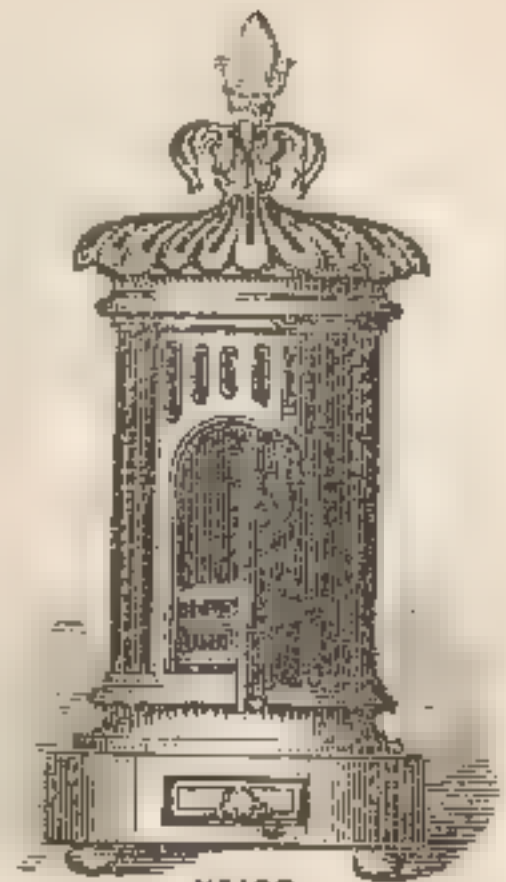
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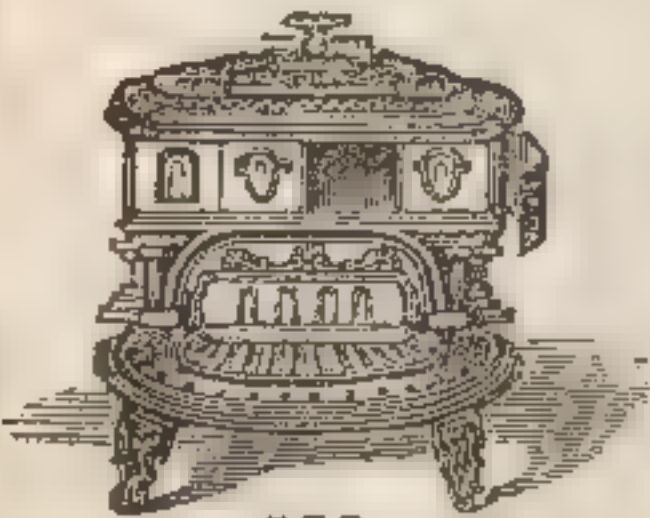
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21



N° 122



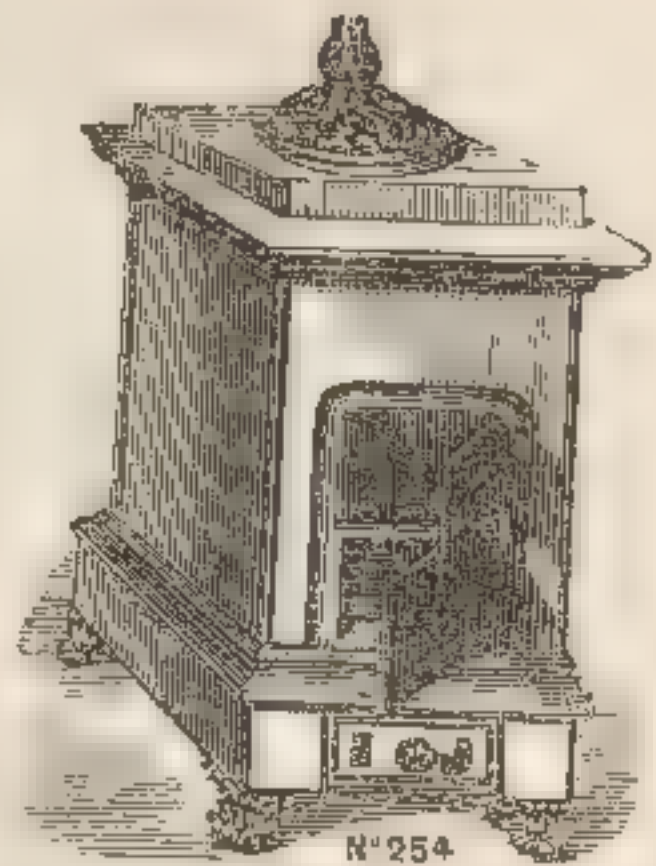
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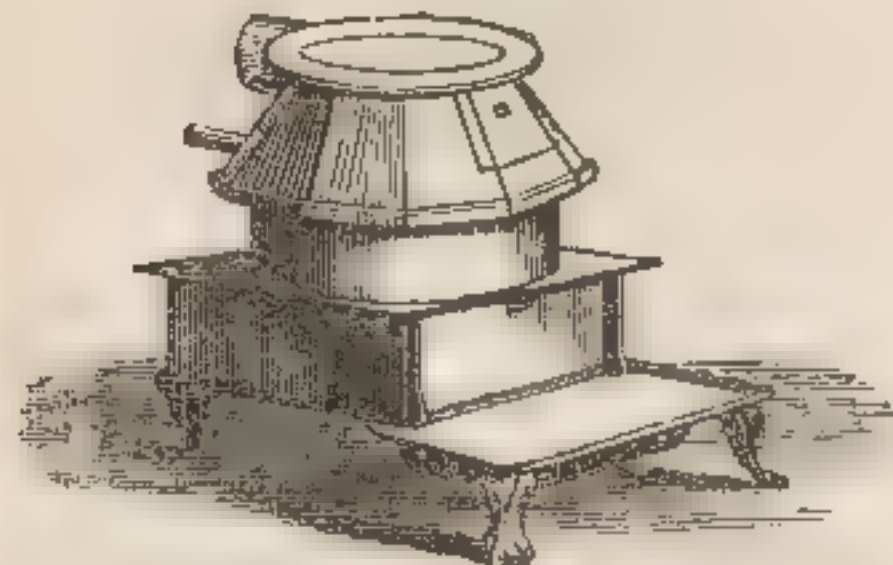
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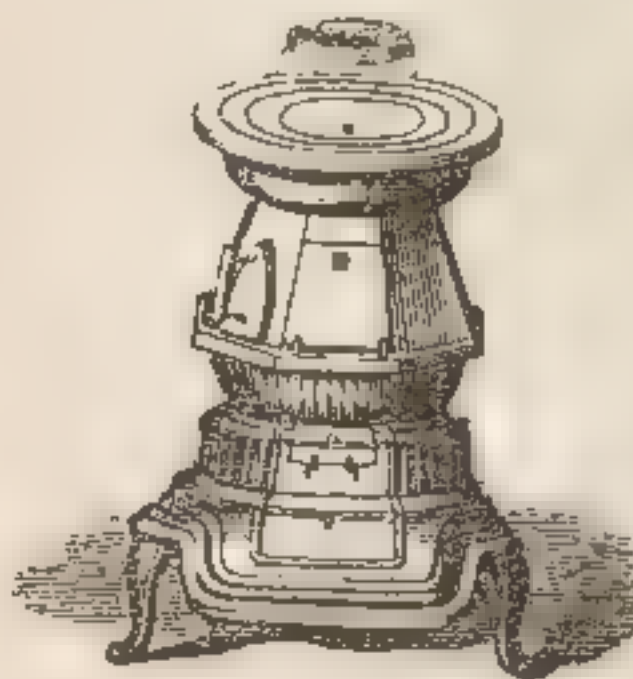
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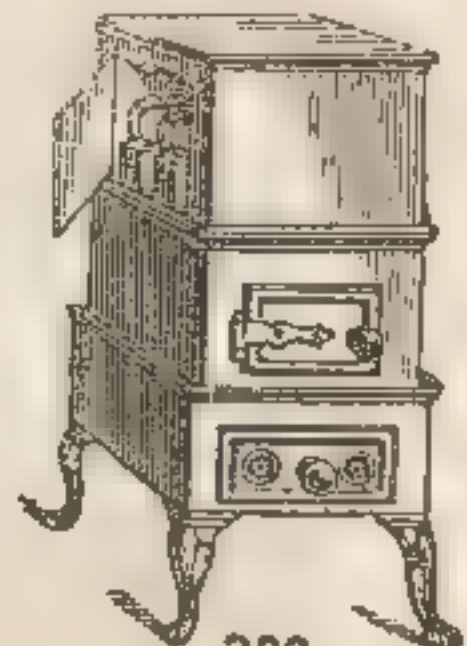
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712



711



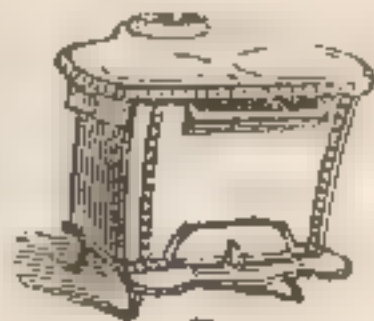
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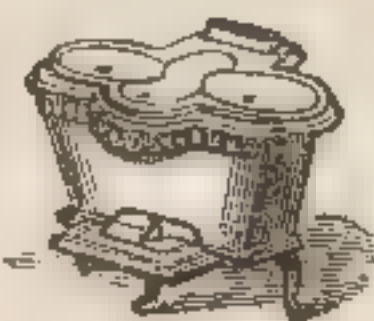
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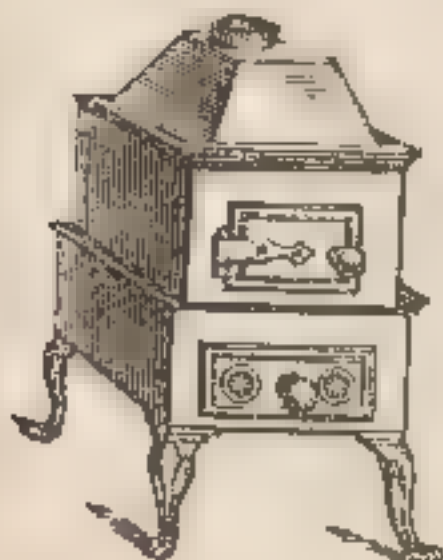
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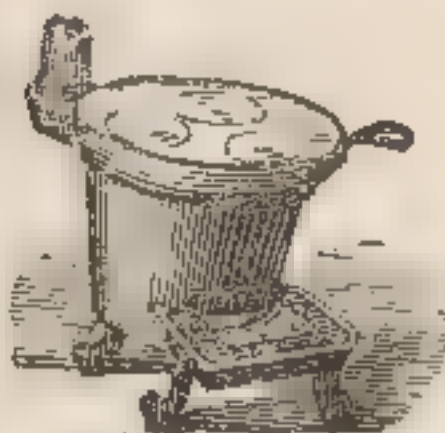
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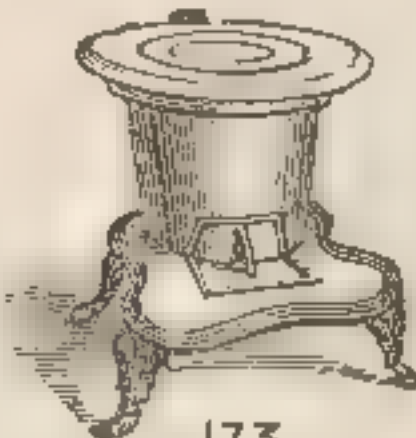
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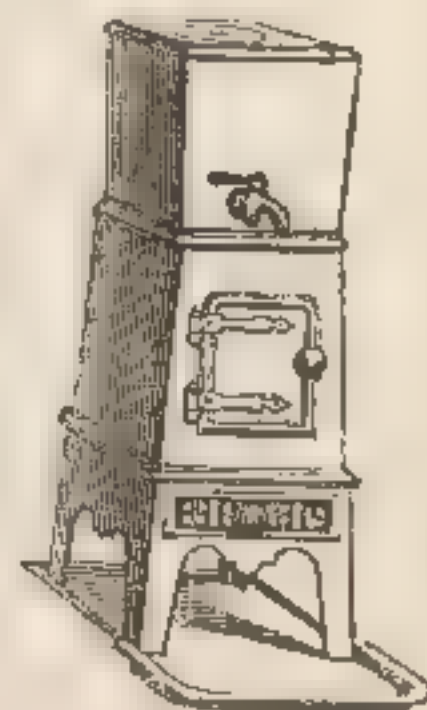
44



262



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14

STOVES (COAL, COKE, and WOOD) continued.

[illegible]

STOVES (COAL, COKE, and WOOD)—*continued.*

		Nos.	6	7	8	
No. 235—Cooking Stove—	Width	...	24	25	27	inch.
	Back to Front	...	33	35½	38	"
	Height	...	24	25	26	"
	Oven—Width	...	10½	11½	13	"
	Depth	...	17½	18½	20	"
	Height	...	10½	12	12	"
	Price, with set A Utensils	...	81/6	93 6	105 3	
	„ without Utensils	...	55 9	63 9	72 -	
No. 615—Cooking Stove—	Width	...	31	34	38	"
	Back to Front	...	21	23	25	"
	Height	...	24½	24½	25	"
	Oven—Width	...	13½	15½	18	"
	Depth	...	12	13	15	"
	Height	...	12	12	13	"
	Price, with set F Utensils	...	63/-	72/3	81/3	"
	„ without Utensils	...	47/-	53/-	60/6	"

No. 590.—For Wood or Turf.—This Stove is so constructed as to admit of the utmost degree of expansion and contraction of its plates, preventing the danger of being cracked by the heat.

		Nos.	2	3	4	5	6	7	
Size —	Width	...	14	16	18	19½	21	22½	inch.
	Back to Front	...	26	29	32	35	42	48	"
	Height	...	21	22	24	26	28	29	"
	For Wood	...	15	18	21	24	30	36	"
Prices		...	12/-	17 6	23 6	31/-	40 9	50/9	

		A		B		C		
No. 289.—Boat Stove	Width	...	16	...	17½	...	20½	inch.
	Height	...	28	...	30	...	32½	inch.
Price		...	16 6	...	18 9	...	20 9	

		Nos.	6	7	8	
No. 577.—Heating Stove—	Width	...	18	20	22	inch.
	Back to Front	...	18	22	22	"
	Height	...	19	21	23	"
Price		...	15/3	18 9	22 -	

No. 712.—Laundry Stove—	Width	...	...	...	20	inch.
	Width at sole	...	...	...	16½	"
	Back to Front	...	...	...	23	"
	Height	...	...	...	24	"
	Price	...	...	...	30 -	

No. 382.—For Coal. Hard Coal Cooking Stove, very useful for small apartments.

		Nos.	1	2	3	4	
Size of Stove—	Diameter	...	10½	11	12	13½	inch.
	Depth, back to Front	...	15	16½	17½	19	"
	Height	...	12½	13	13	13	"
Price		...	5 3	6 3	7/6	8 9	each.

No. 381.—For Charcoal or Coke. A handy portable Stove, with open top and pot stand.

		Nos.	1	2	3	4	
Size of Stove—	Diameter	...	10	11	12	13	inch.
	Height	...	9½	9½	9½	10½	"
Price		...	3 6	4 6	5 3	6 -	each.

No. 44.—Laundry Stove.

Nos.	1	2	3	4	5	6	7	8	
	8 × 11	10 × 12½	10½ × 15	11½ × 17½	14½ × 17½	16 × 22	18 × 24	21 × 30	in.
	19 9	21/-	22/6	29/-	38 6	—	43/-	—	

Height—No. 1, 28 inches; remainder, 31 inches.

STOVES (COAL, COKE, and WOOD)—*continued*.

No. 262.—For Coal—A useful and portable Stove, with rotary and moveable top plate, and convenient boiling accommodation.

Size of Stove—Diameter on top	..	...	...	16	inch.
Back to Front	...	...	...	21	"
Height	...	...	...	18	"
Price	...	...	...	15/-	each.

No. 118.—Shop or Cabin Stove, 35 inches high, 34/-

No. 599.—For Wood or Turf. A handsome design of Stove. Nos. 2 and 3 can be had to suit Coal.

	Nos.	2	3	4	5	6	
Size of Stove—Width	...	21	23	27	29	33	inch.
Back to Front	...	16	18	20	22	24	"
Height	...	26	28	33	40	43	"
Price—for Coal	...	22/6	27/6	33/9	—	—	each.
" " Wood	...	20/-	25/-	30/9	36/9	45/3	"

In ordering Nos. 2 and 3 say whether for Wood or Coal.

No. 711.—Laundry Stove.—Size of Stove—Diameter at top ... 15 inch.
Base ... 17 "
Back to Front ... 23 "
Height ... 25 "
Price ... 22/- each.

No. 273.—For Coal. A convenient Cottage Stove, for boiling or heating, suitable for Harness Room or Laundry.

	Nos.	6	7	8	
Size of Stove—Width	...	18	20	21	inch.
Back to Front	...	12½	13½	15	"
Height	...	13	13½	14	"
Price	...	10/4	11/9	13/3	each.

No. 386.—For Coal. Cooking or Heating Stove, especially for boiling purposes. One large Boiler, or two small ones, can be accommodated.

	Nos.	6	7	8	
Size of Stove—Width	...	16	17	18½	inch.
Back to Front	...	17	19½	21	"
Height	...	12	14	14½	"
Price	...	10/6	12/-	13/6	each.

No. 173.—For Coal. A good Heating or Cooking Stove, for boiling purposes.

Size of Stove—Diameter	...	...	...	17	inch.
Height	...	...	...	17	"
Price	...	...	...	14/-	each
No. 10 Obtuse Bend Pipe, for Flue, 3 × 36 inches				4/-	"

No. 122.—Round Hot Air Stove

	A	B	C	
Size of Stove—Diameter	10	12	16	inch.
Height	32	36	48	"
Price	57/-	71/9	106/-	each.

No. 254.—Church Heating Stove, 18 × 22 × 51 inches, 120/- each.

No. 202.—Tailor's Stove, 14½ × 17½ inches. Height 37 in. 62/9 each.

Nos.	2	3	4	5	
8 × 29	9½ × 31	10½ × 36	12 × 41		inch.

No. 14.—Harness Room Stove... 23/- 26/- 29/- 33/9 each.

STOVES (COAL, COKE, and WOOD)—*continued*.

UTENSILS FOR COOKING STOVES,

Referred to in the foregoing List.

SET A.

2 Tinned Iron Pots	1 Oval Frying or Fish Pan
1 Tinned Tea Kettle	1 Gridiron
1 Potato or Vegetable Steamer, to fit one of the Pots	1 Egg Pan
1 Large Oval Ham Boiler	3 Square Sheet Iron Baking Pans, to fit the Oven
1 Round Frying Pan	Poker, Raker, Cover-lifter

SET B.

1 Tinned Iron Pot	1 Oval Frying or Fish Pan
1 Tinned Tea Kettle	1 Gridiron
1 Potato or Vegetable Steamer, to fit the Pot	1 Egg Pan
1 Large Oval Ham Boiler	3 Square Sheet Iron Baking Pans, to fit the Oven
1 Round Frying Pan	Poker, Raker, Cover-lifter

SET C.

1 Tinned Iron Pot	1 Round Frying Pan
1 Tinned Tea Kettle	1 Oval Frying or Fish Pan
1 Potato or Vegetable Steamer, to fit the Pot	1 Egg Pan
1 Large Oval Ham Boiler, with Copper bottom	3 Square Sheet Iron Baking Pans, to fit the Oven
	Poker, Raker, Cover-lifter

SET D.

1 Tinned Iron Pot	1 Round Cast Iron Frying Pan
1 Potato or Vegetable Steamer, to fit the Pot	1 Sheet Iron Baking Pan
1 Tinned Iron Tea Kettle	Poker, Raker, Cover-lifter

SET E.

1 Tinned Iron Pot	1 Potato or Vegetable Steamer, to fit the Pot.
1 Tinned Iron Tea Kettle	Poker, Raker, Cover-lifter

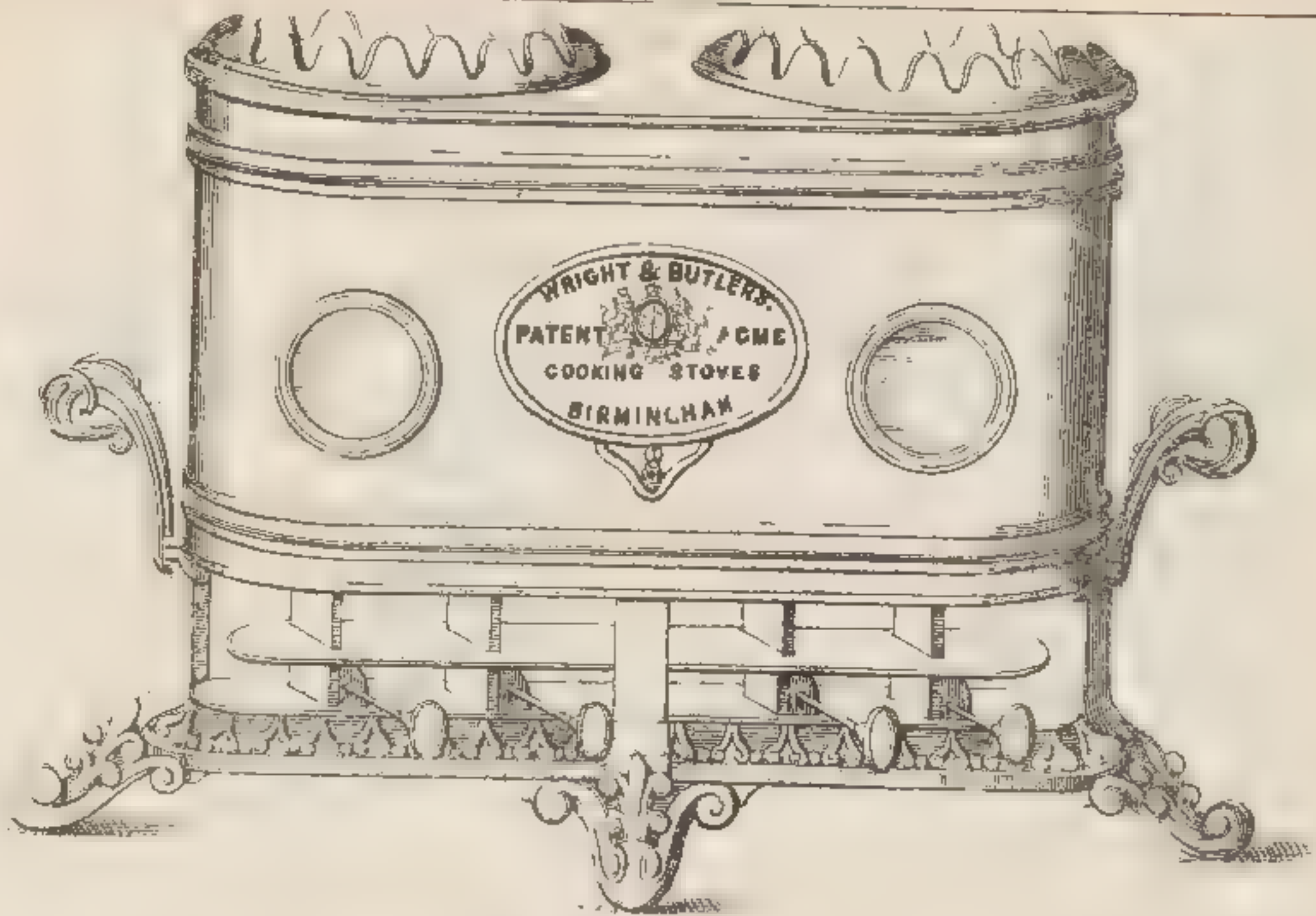
SET F.

1 Tinned Iron Pot	1 Oval Frying or Fish Pan
1 Tinned Tea Kettle	1 Egg Pan
1 Potato or Vegetable Steamer, to fit the Pot	3 Square Bright Tin Baking Pans, to fit the Oven
1 Round Frying Pan	Poker, Raker, and Cover-lifter

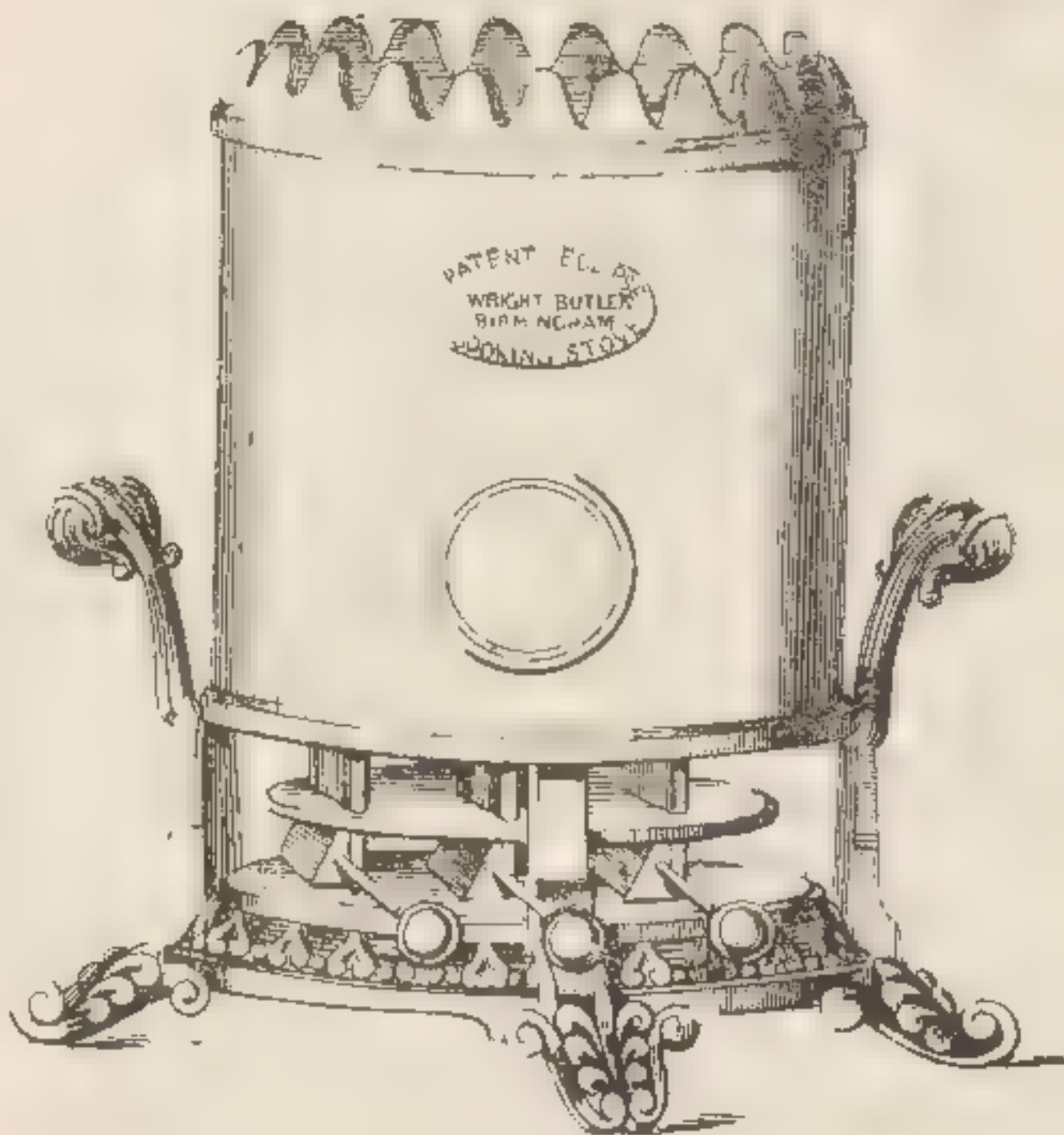
EXTRAS.

			For No. 6	7	8
Bright Tin Oval Ham Boiler	...	...	7/-	9/6	10/3
Ditto	ditto	with tinned copper bottom	9/-	11/9	13/9

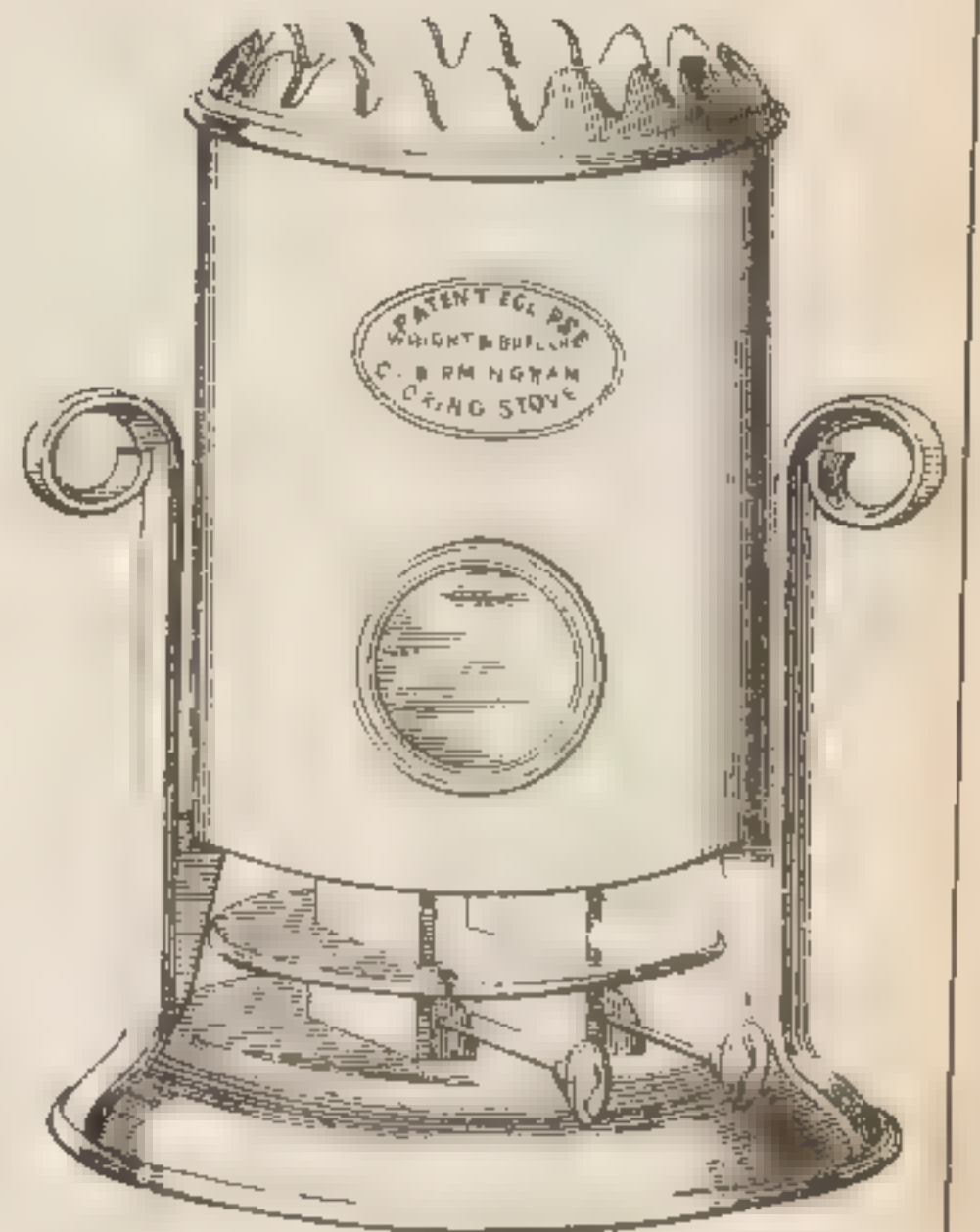
STOVES (PETROLEUM).



No. 1



No. 2



No. 3

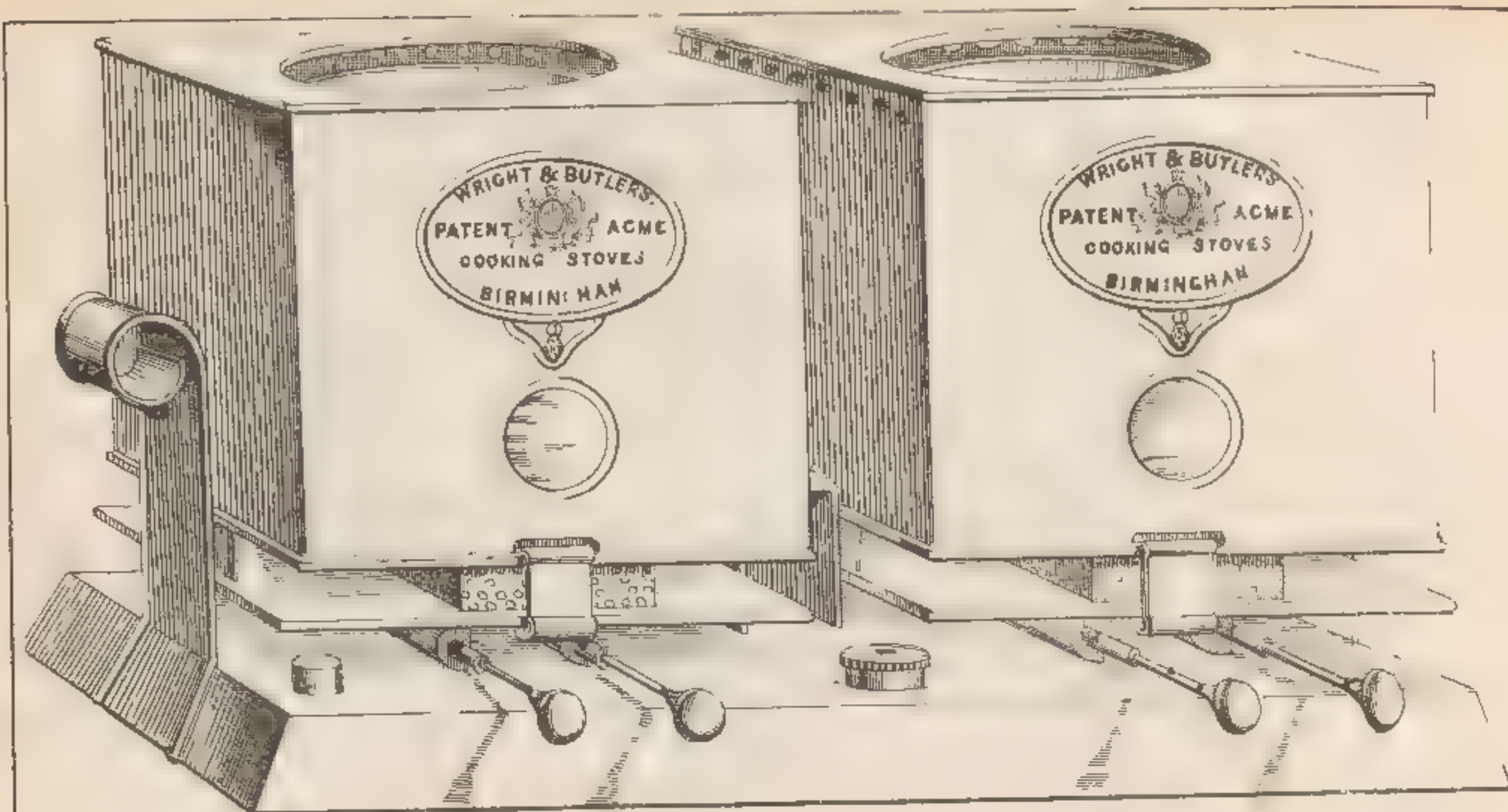


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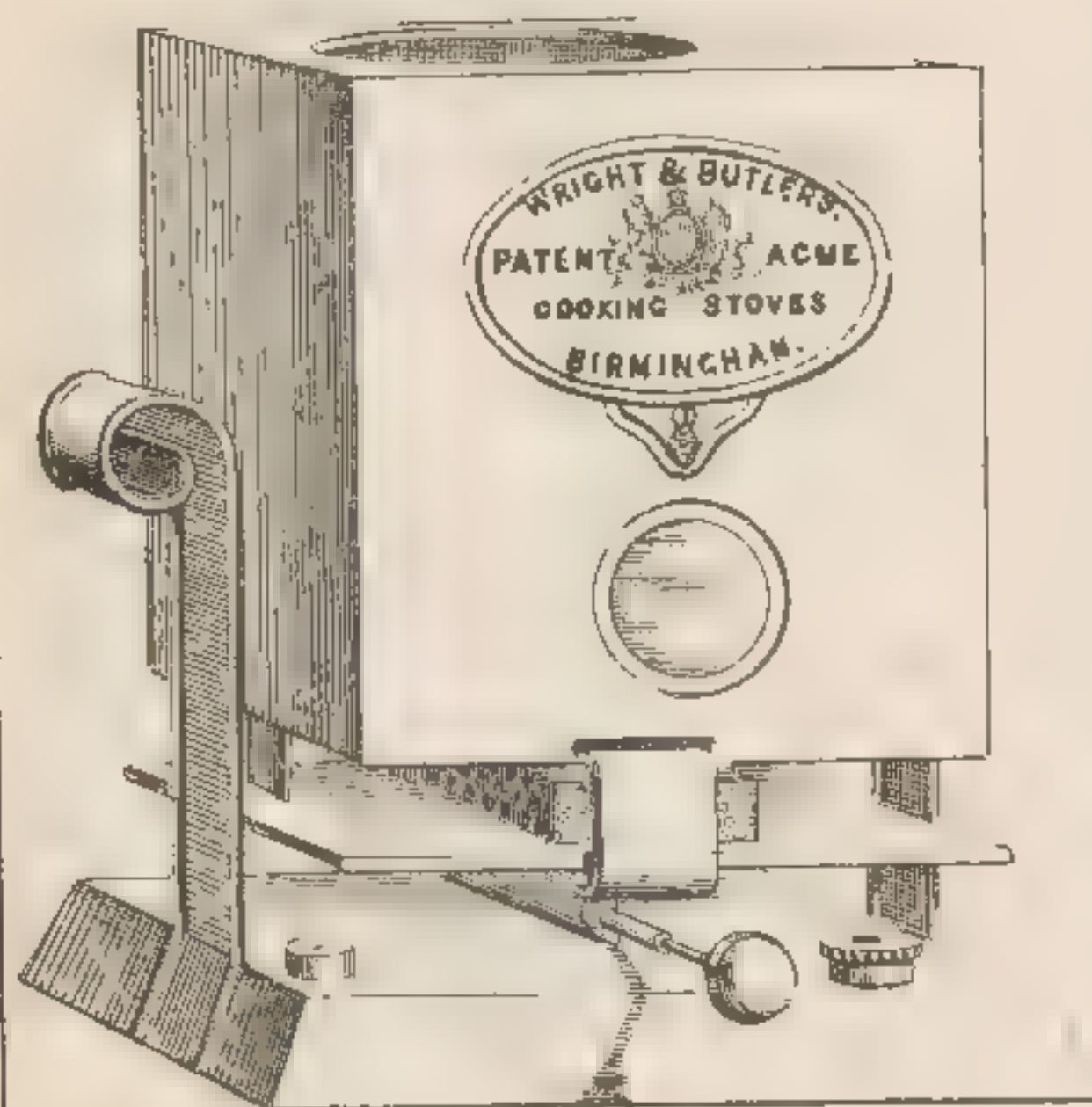


No. 5

STOVES (PETROLEUM).



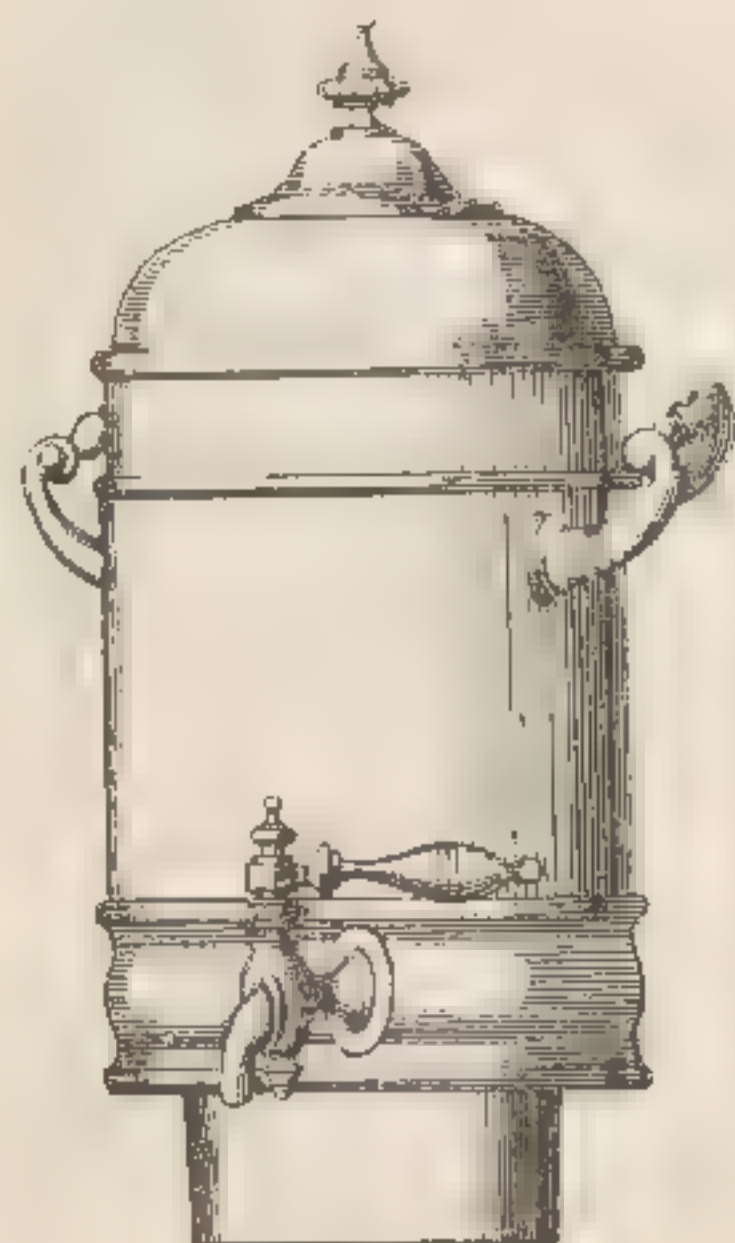
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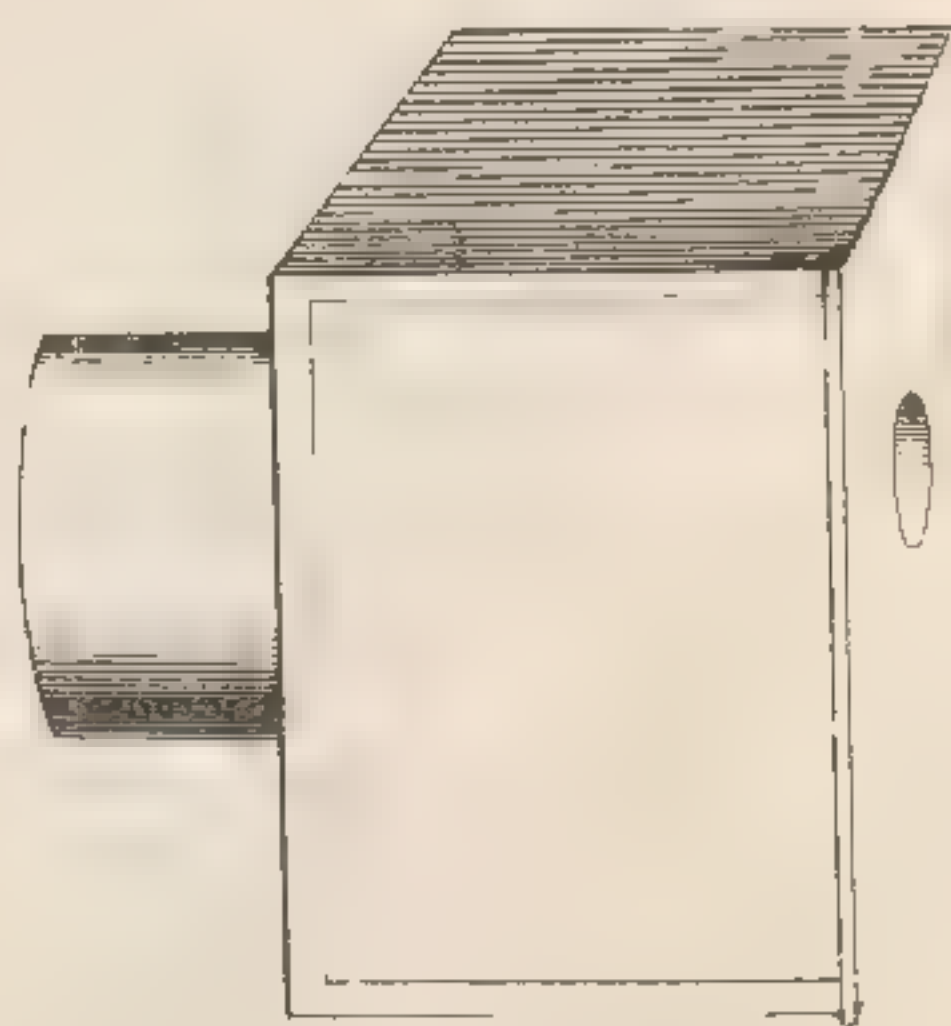
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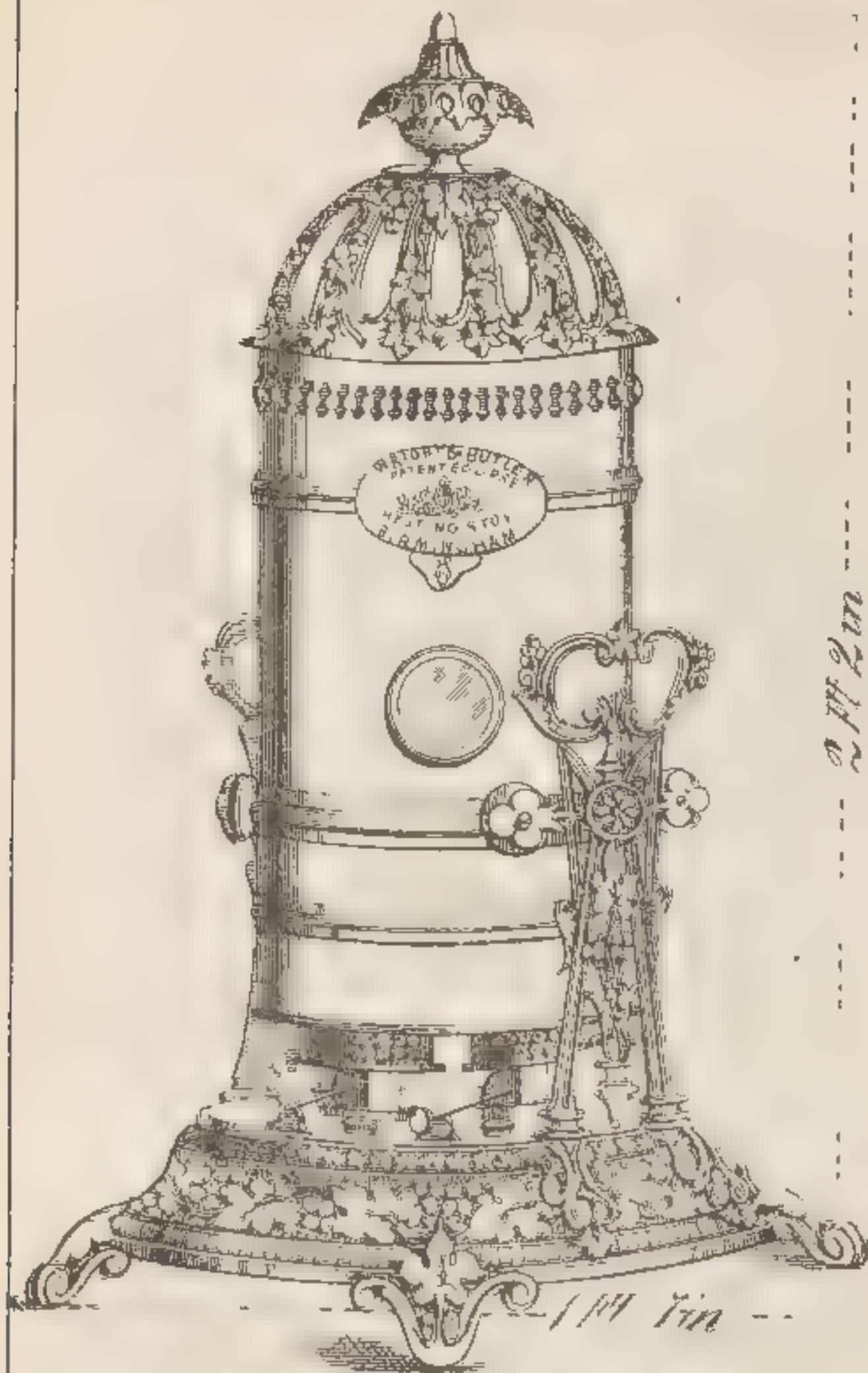


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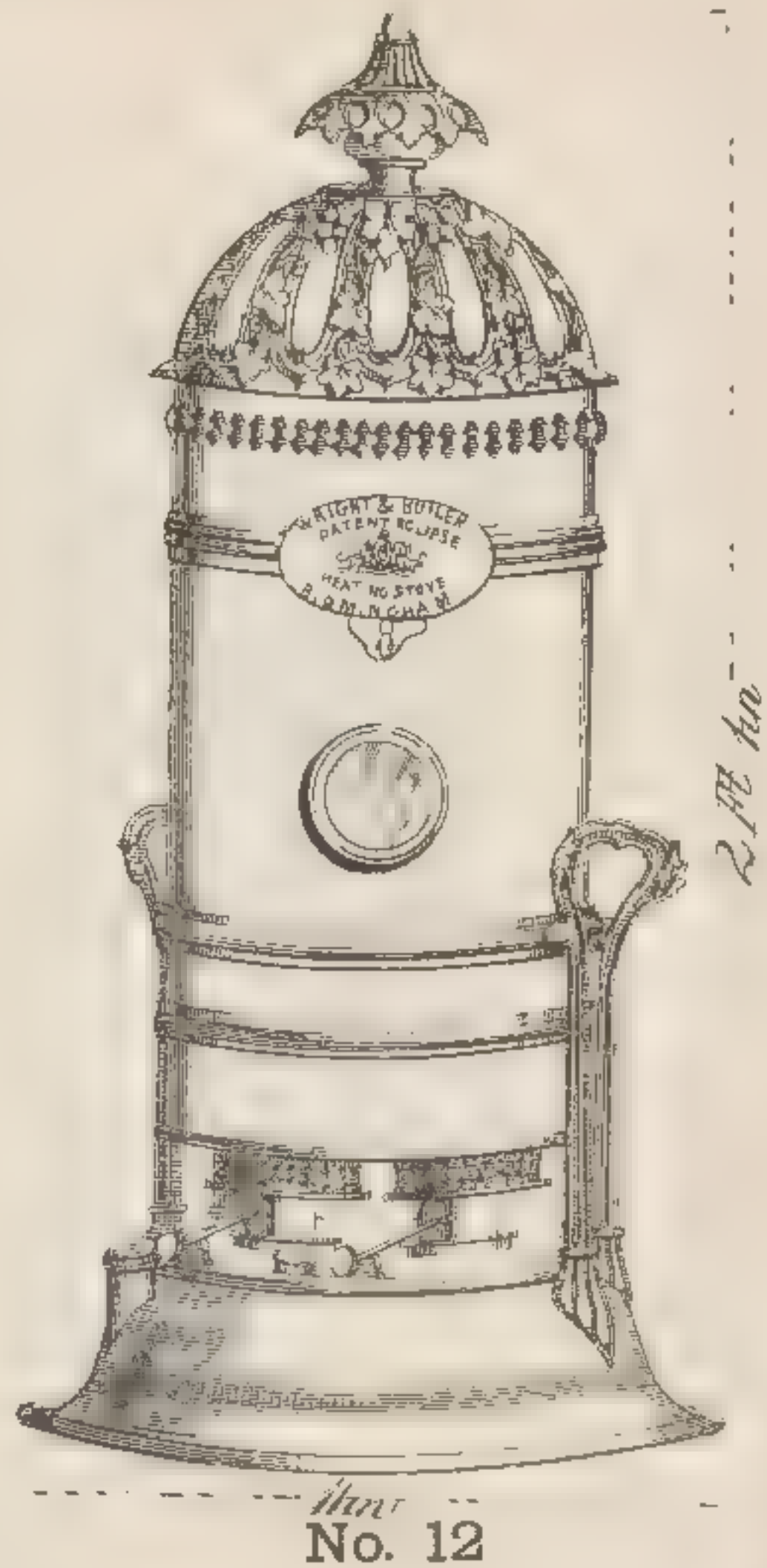


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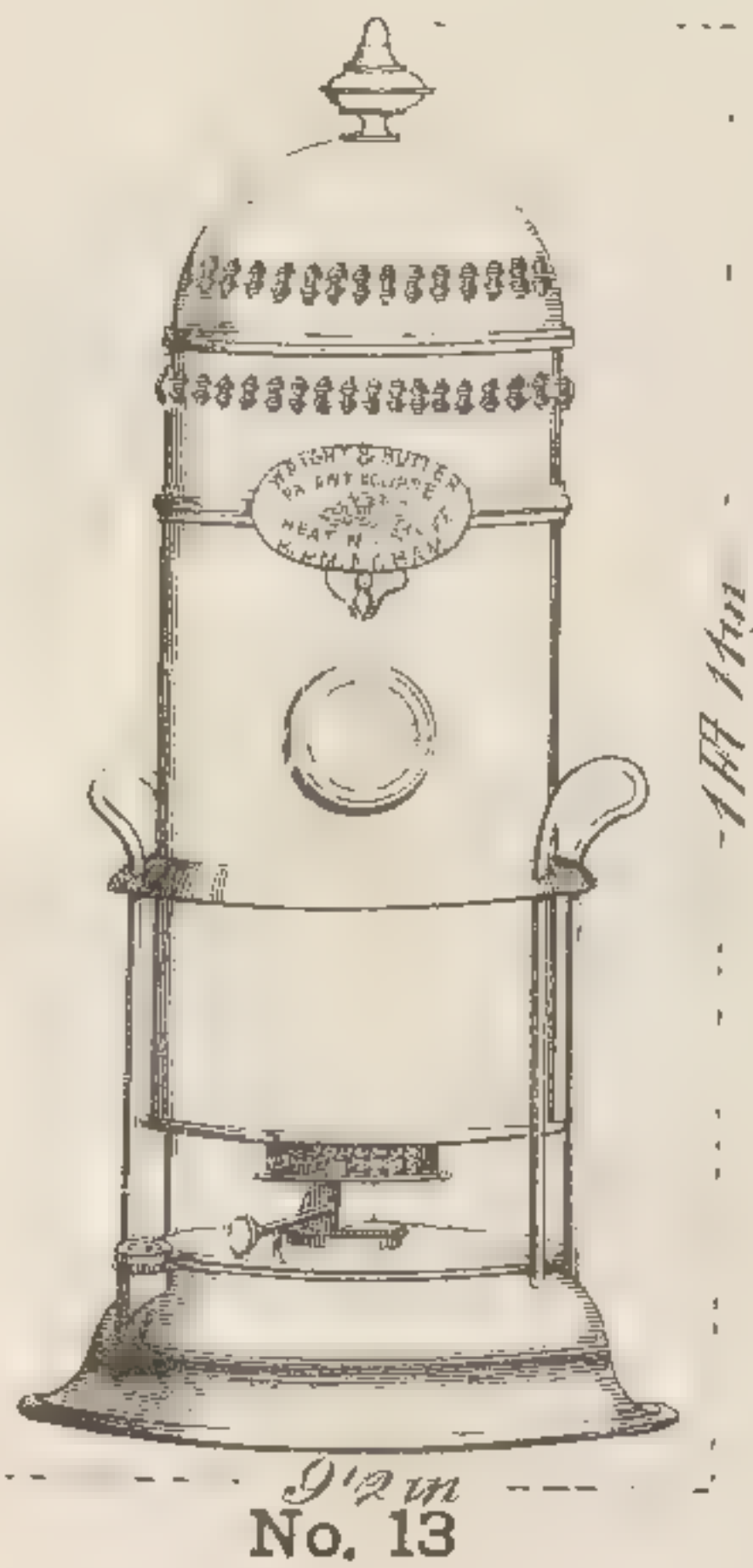
STOVES (PETROLEUM).



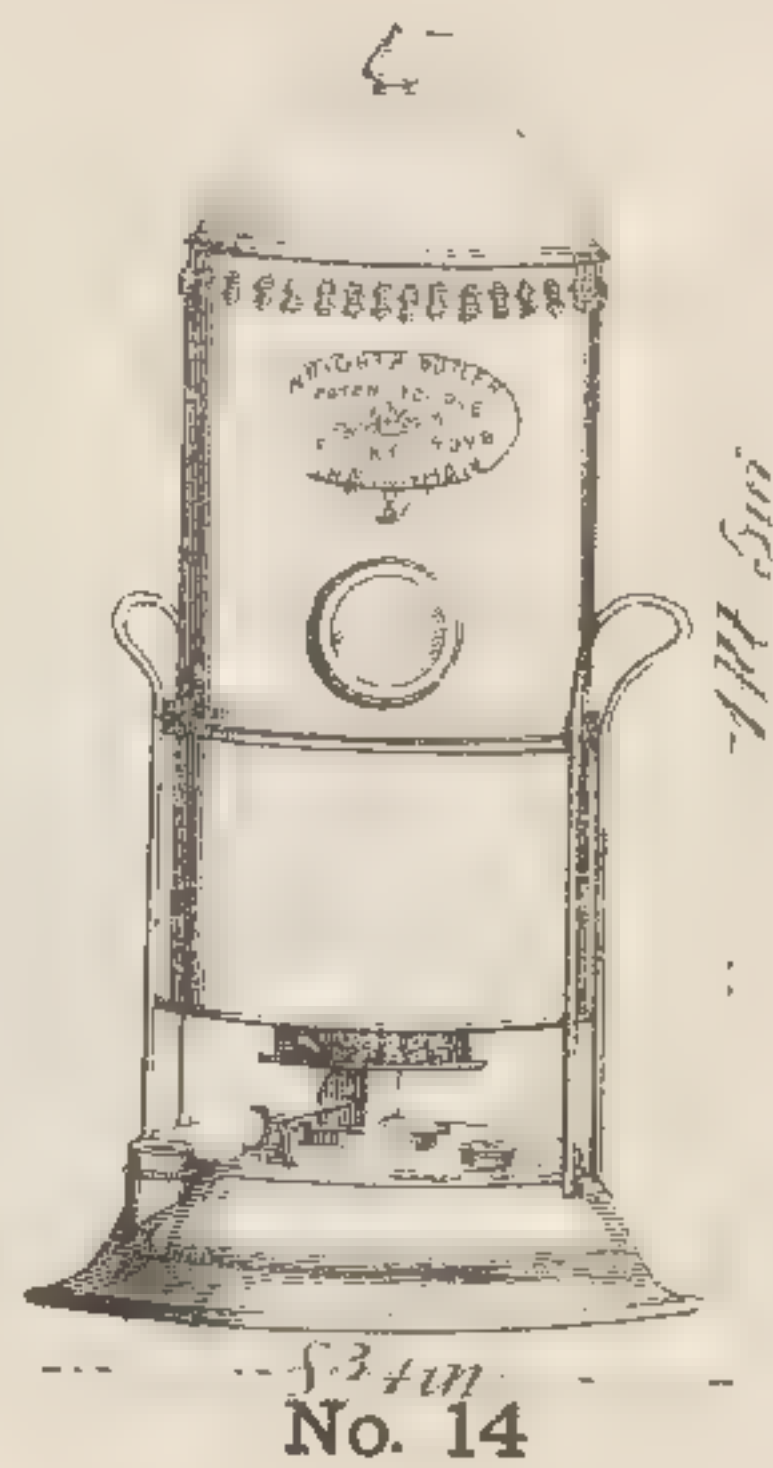
No 11



No. 12

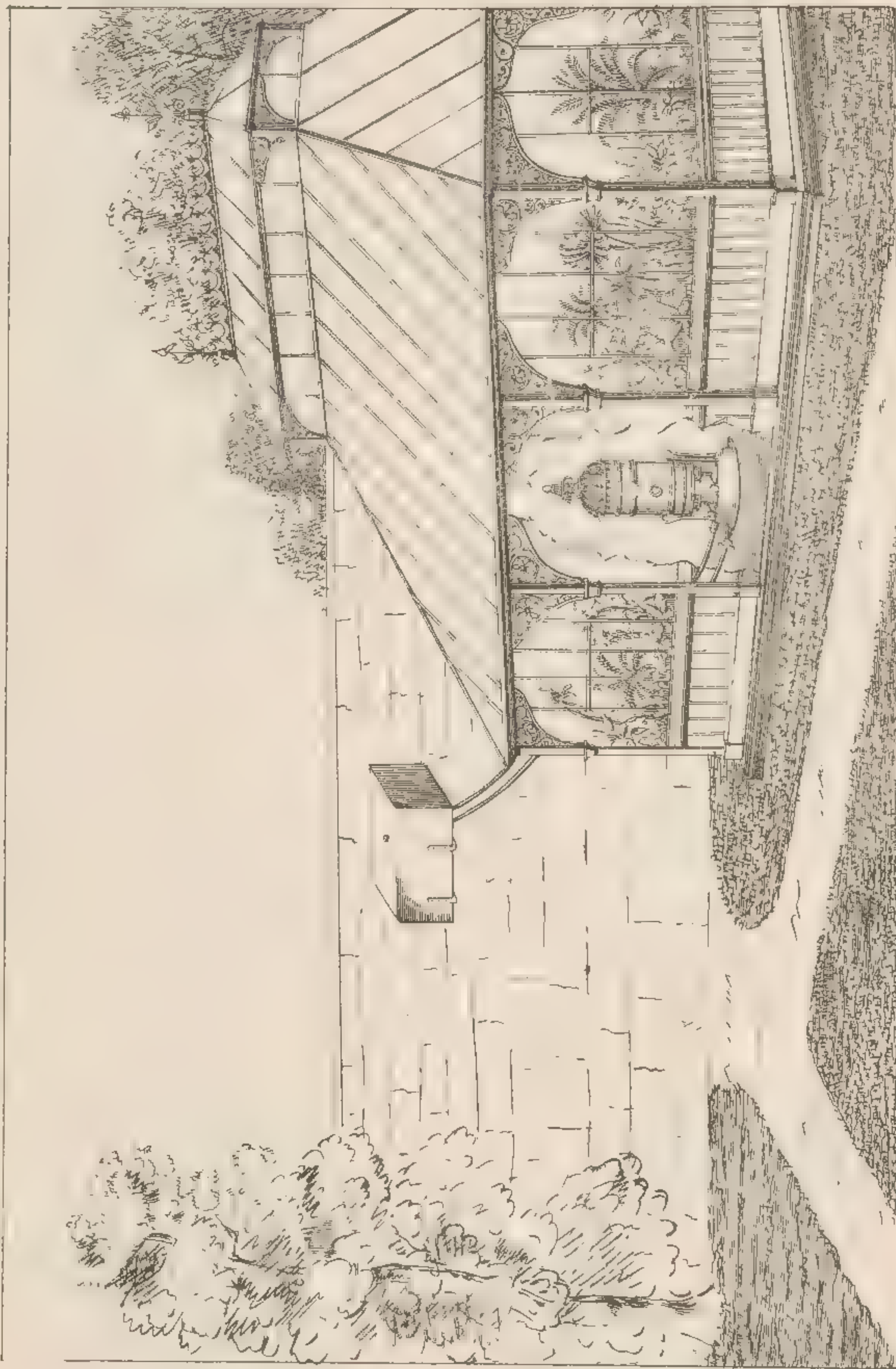


Drum
No. 13



No. 14

STOVES (PETROLEUM).



No. 15

STOVES (Petroleum).

	£	s.	d.
1. This Stove is fitted with four 3-inch burners. It will do any ordinary kind of cooking, either boiling, baking, steaming, or frying. It costs in burning about -/2 per hour ...	1	2	0
Saucepan, 8 pints, 1/7 Kettle, 8 pints, 2/- each. Round Boiler and Steamer, 4/3 Oval ditto, 6/- Frying Pan, 9 inch, -/9 Ovens, 10/- and 20/-			
2. This Stove is fitted with three 3-inch burners. It will do any ordinary kind of cooking, either boiling, steaming, baking, or frying, and is particularly suitable for preserving fruit, or any other purpose where a regular and easily regulated heat is required. It costs in burning about -/1½ per hour Utensils same as for No. 1.	0	11	0
3. This Stove is fitted with two 3-inch burners, and is suitable for any kind of boiling, steaming, baking, or frying. It has cooked dinner for 9 people (leg of mutton 9 lbs., two kinds of vegetables, and pudding) at a cost of -/1¾ ...	0	7	6
Saucepan, 4 pints, 1/- Kettle, 4 pints, 1/1 Round Boiler and Steamer combined, 8¼ by 8¼, 4/- each. Oval ditto 11¾ by 8¼, 5/8 " Frying Pan, 9 inch, -/9 Oven, 4/6 each.			
4. This Stove is fitted with one 3-inch burner, and is lit and extinguished in a moment. Hot water can be had in three minutes. Breakfast can be cooked for 3 persons (hot water, eggs, and bacon, or a chop or steak) at a cost of ⅛th of a penny ...	0	5	0
Saucepan, 1½ pints, 10/6 Kettle, 2 pints, 9/- per doz. Frying Pan, 8 inch, 7/- per doz.			
5. Nursery Lamp, Food Warmer, and Night Light combined...	0	3	6
6. This Stove is fitted with four 4-inch burners, and is capable of thoroughly baking or boiling anything required for an ordinary family. It will bake a 4 lb. loaf or a joint of meat 8 or 10 lbs. in same time as an ordinary oven. With this size boiling and baking can be carried on at same time. Any of the utensils may be used with this size. It burns 12 hours with once filling, and costs about -/1½ per hour. It is fitted with the Indicator, which shows when sufficient oil has been poured in ...	1	3	0
7. This Stove is fitted with one 4-inch burner, and is capable of thoroughly baking anything up to a 2lb. loaf of bread, or a fowl, or of being used with any of the utensils, except the large oval or round Boilers and Steamers, or Ovens No. 2 or 3. It will burn 14 hours with once filling, and costs about -/1 for 3 hours. This Stove is fitted with the Indicator, which shows when sufficient oil has been poured in ...	0	8	0
8. Round Boiler and Steamer combined, for Nos. 1, 2, 3, 6, 7	0	5	0
9. Tea Urn, brass tap, for Nos. 1, 2, 3, 6, 7. Price according to size, from 2 quarts, 7/6 upwards.			

STOVES (PETROLEUM)—*continued.*

£ s. d.

10. Oven complete with meat tin and wire frame, suitable for Nos. 1, 2, 6, will bake a 4lb. loaf or a joint of meat 8 or 10 lbs., in fact anything required for an ordinary family in a little over the time taken by a coal fire oven, if No. 2 or 6 is used.
- | | | | | | |
|--|-----|-----|---|----|---|
| 8½ × 7½ × 6½, suitable for Nos. 4 or 7 | ... | ... | 0 | 4 | 0 |
| 11 × 9 × 10, " " 1, 3, or 7 | ... | ... | 0 | 5 | 0 |
| 13 × 14 × 12, " " 1, 2, or 6 | ... | ... | 0 | 11 | 0 |
| 12 × 14 × 15, " " 6, | ... | ... | 0 | 22 | 0 |
11. Heating Stove, japanned body, bronzed cast-iron foot handles and top, loose block-tin oil container. This Stove is fitted with two 1½-inch burners, and is sufficient for heating small greenhouses, bedrooms, &c. The burners can be taken out if required. This Stove is fitted with the Indicator, which shows when sufficient oil has been poured in. Will burn 25 hours with once filling. Vaporising pan lasts 10 hours with once filling
- | | | | | | |
|-----|-----|-----|---|---|---|
| ... | ... | ... | 1 | 0 | 0 |
|-----|-----|-----|---|---|---|
- If with copper cylinder, 30/- Larger handles, 2/- extra.
- 11A. As No. 11, but 2 feet 5½ inches high, 3 burners, and burns 16 hours
- | | | | | | |
|-----|-----|-----|---|---|---|
| ... | ... | ... | 1 | 6 | 6 |
|-----|-----|-----|---|---|---|
- If with copper cylinder, 40/- Larger handles, 2/6 extra.
- 11B. As No. 11, but 3 feet 1 inch high, 5 burners, and burns 12 hours
- | | | | | | |
|-----|-----|-----|---|----|---|
| ... | ... | ... | 2 | 12 | 0 |
|-----|-----|-----|---|----|---|
12. Heating Stove, japanned body, bronzed cast-iron handles and top, block-tin oil container. This Stove is fitted with two 1½-inch burners, and is sufficient for heating small greenhouses, bedrooms, &c. The burners can be taken out if required. This Stove is fitted with the Indicator, which shows when sufficient oil has been poured in. Will burn 20 hours with once filling. Vaporising pan lasts 10 hours with once filling
- | | | | | | |
|-----|-----|-----|---|----|---|
| ... | ... | ... | 0 | 16 | 6 |
|-----|-----|-----|---|----|---|
- Pan for stove to stand in, 1/3 Vaporising pan, 1/2
- 12A. As No. 12, but 2 feet 5 inches high, three burners, burns 14 hours
- | | | | | | |
|-----|-----|-----|---|---|---|
| ... | ... | ... | 1 | 3 | 0 |
|-----|-----|-----|---|---|---|
- Copper cylinder
- | | | | | | |
|-----|-----|-----|---|----|---|
| ... | ... | ... | 1 | 13 | 0 |
|-----|-----|-----|---|----|---|
- 12B. As No. 12, but 2 feet 10 inches high, 4 burners, burns 15 hours
- | | | | | | |
|-----|-----|-----|---|---|---|
| ... | ... | ... | 2 | 8 | 0 |
|-----|-----|-----|---|---|---|
13. Heating Stove, Block Tin. This Stove is fitted with one 1½-inch burner, and is suitable for any small room. The burner can be taken out if required. Fitted with the Indicator. Will burn 25 hours with once filling. Vaporising pan lasts 10 hours with once filling
- | | | | | | |
|-----|-----|-----|---|----|---|
| ... | ... | ... | 0 | 11 | 6 |
|-----|-----|-----|---|----|---|
- Tray, 1/- Vaporising pan, 1/-
14. Heating Stove, block-tin oil container, japanned body. This Stove is fitted with one 1½-inch burner, and is suitable for any small room. The burner can be taken out when necessary. Fitted with the Indicator. Will burn 20 hours with once filling. Vaporising pan lasts 8 hours with once filling
- | | | | | | |
|-----|-----|-----|---|---|---|
| ... | ... | ... | 0 | 9 | 6 |
|-----|-----|-----|---|---|---|
- Tray, 1/-
15. This sketch shows an arrangement of supply pipes and air-tight cistern outside the house, by means of which the Stove is self-feeding, one supply of oil lasting for 2, 3, or even 6 months, according to the size of the air-tight cistern. Price according to size and strength.

NOTE.—The time of burning, in all cases, is merely given as a guide. The Stoves should always be filled before there is any probability of the oil being exhausted.

TANKS AND CISTERNS.

WROUGHT IRON RECTANGULAR CISTERNS,
 $\frac{1}{8}$ -INCH PLATE.

Table of Sizes.						Gallons. about	GALVANIZED.	PAINTED.
ft.	in.	by	ft.	in.	by	ft.	Per Gallon.	Per Gallon.
2	4	by	1	7	by	1	40	-/11
2	6	"	1	7	"	2	50	-/10 $\frac{1}{4}$
2	8	"	1	10	"	2	60	-/9 $\frac{1}{4}$
2	8	"	2	0	"	2	70	-/9
3	0	"	2	0	"	2	80	-/8 $\frac{3}{4}$
3	2	"	2	2	"	2	90	-/8 $\frac{1}{2}$
3	0	"	2	2	"	2	100	-/8 $\frac{1}{2}$
3	6	"	2	6	"	2	150	-/7 $\frac{1}{2}$
4	0	"	2	8	"	3	200	-/7 $\frac{1}{2}$
4	1	"	3	3	"	3	250	-/7
4	7	"	3	6	"	3	300	-/6
5	0	"	4	0	"	3	400	-/5 $\frac{3}{4}$
5	6	"	4	5	"	3	500	-/5 $\frac{1}{2}$
6	0	"	5	0	"	3	600	-/5

Special Prices for larger sizes and irregular shapes, and for large Tanks made from
 $\frac{3}{16}$, $\frac{1}{4}$, and $\frac{5}{16}$ Boiler Plates.

GALVANIZED WROUGHT IRON CISTERNS,

Of a lighter gauge than above, and usually kept in stock. (Large sizes properly stayed.)

Table of Sizes.						Gallons. about	Price each.	Made to order of similar dimensions.	Per Gall.
ft.	in.	by	ft.	in.	by	ft.	£ s. d.		
1	4	by	1	4	by	1	10	0 10 0	
1	9	"	1	3	"	1	20	0 14 0	
2	0	"	1	6	"	1	30	0 16 0	
2	4	"	1	7	"	1	40	1 1 0	30 to 39 galls. - 10
2	6	"	1	7	"	2	50	1 6 0	40 to 49 " - 9 $\frac{1}{2}$
2	8	"	1	10	"	2	60	1 11 0	50 to 59 " - 9
2	8	"	2	0	"	2	70	1 16 0	60 to 69 " - 8
3	0	"	2	0	"	2	80	2 1 0	70 to 79 " - 7 $\frac{1}{2}$
3	2	"	2	2	"	2	90	2 6 0	80 to 89 " - 7
3	0	"	2	2	"	2	100	2 8 6	90 to 99 " - 6 $\frac{1}{2}$
3	6	"	2	6	"	2	150	3 0 0	100 to 149 " - 6
4	0	"	2	8	"	3	200	4 0 0	150 to 159 " - 5 $\frac{1}{2}$
4	1	"	3	3	"	3	250	5 0 0	200 to 249 " - 5 $\frac{1}{4}$
4	7	"	3	6	"	3	300	6 0 0	250 to 300 " - 5

GALVANIZED IRON TANKS,
WITH MAN HOLE AND COVER.

Table of Sizes.						Galls. about	14 Gauge.	$\frac{1}{8}$ -inch Plate.	$\frac{3}{16}$ in. Plate.
ft.	in.	by	ft.	in.	by	ft.	£ s. d.	£ s. d.	£ s. d.
2	0	by	2	0	by	1	30	1 15 0	2 10 0
2	0	"	2	0	"	2	50	2 12 6	3 10 0
2	6	"	2	6	"	2	80	3 17 6	5 2 6
3	0	"	2	2	"	2	100	5 10 0	1 0 0
3	8	"	2	6	"	2	150	8 10 0	11 0 0

LAMPS AND CHANDELIERS.

GLOBE LAMPS AND SHADES, plain flint glass, with brass mountings—

	7 $\frac{3}{4}$ in.	8 in.	9 in.	10 in.
No. 1—(Not including Burners)	4/-	4/8	5/-	6/2
No. 2	"	5/-	6/-	7/-

If in coloured glass, 4d. each extra.

If in real ruby glass, 8 in. 5/4 9 in. 6/- 10 in. 7/6 each extra.

Peg Oil Burners, with brass ferrules, 3 $\frac{1}{2}$ d. each extra.

VASE LAMPS AND SHADES, plain flint glass, with brass mountings—

No. 3—(Not including Burners)

7 in.	8 in.	9 in.	10 or 10 $\frac{1}{2}$ in.	11 in.	12 in.	13 in.	14 in.
4/3	5/-	5/9	6/5	7/2	7/10	10/-	11/5 each

No. 4—(Including Burners)

7 in.	8 in.	9 in.	10 in.	11 in.	12 in.	13 in.	14 in.
4/-	5/-	5/9	6/5	7/2	7/10	10/-	11/5 each

If with white mountings, 8d. each ex. If with plated mountings, 1/6 each ex.

These Lamps pack in nests of 8, 9, 10 $\frac{1}{2}$, and 12 inch, which thus cost 25/- each nest, if with laquered mountings; or 31/- each nest if with plated mountings (untarnishable). Nests of one each 8, 9, 10 $\frac{1}{2}$ inch, lacquered mountings, cost 17/2 each. Nests of one each, 8, 9, 10 $\frac{1}{2}$ inch, plated mountings, cost 21/8. Each nest will fill a small cask, or 10 or 12 nests will pack in a large partitioned hogshead.

ARGAND HANGING LAMPS, Bronzed, Lacquered, or Electro-Plated, with improved rack-wheel heads. Priced with roughed hemispheres, under-dishes, and chimneys. Engraved glasses charged extra.

	8	9	10	12 inch.	
No. 5 ...	25/3	27/-	29/3	33/6	with rods or chains, as shown.
No. 6 ...	25/-	26/9	29/-	33/6	" " "
No. 7 ...	26/-	28/-	30/-	36/-	" " "
If as No. 30 ...		28/8	30/6	36/9	" " "
" " 31 ...		27/-	29/-	33/6	" " "
" " 32 ...		27/-	29/-	33/6	" " "

If with engraved hemispheres, 1/6 extra. If engraved under-dishes 1/3 extra.

If with P. A. Drops, 8 in. 5/9 9 in. 6/6 10 in. 7/6 12 in. 9/3 each extra.

If Electro-Plated 8 in. 5/9 9 in. 6/6 10 in. 7/6 12 in. 8/6 each extra.

If made with Solar Burners and Double Chimneys 2/- each extra.

No. 5 B—BALANCE BALLS, with Pulleys and Chains—

						8, 9 in.	10, 12 inch.
Bronzed	...	...	...	...	...	4/3	4/9 each.
Lacquered	...	...	...	...	...	4/9	5/3 "
Plated	...	...	...	...	...	6/9	7/6 "

ARGAND TABLE LAMPS, with Bronzed, Lacquered, or Electro-plated Pedestals and improved rack-wheel heads. Priced with roughed hemispheres, under-dishes, and chimneys. Engraved glasses charged extra.

No. 8—9 in. Head 27/-

No. 9—10 in. head 27/9 Pillars as No. 33 9 in. head 26/- 10 in. head 28/-

No. 10 " 28/6 " " 34 " 26/- " 28/-

No. 11 " 28/6 " " 35 " 26/- " 28/-

No. 12—Cut crystal stand, 10 in. head, plated mounts without drops 44/- with drops 50/-

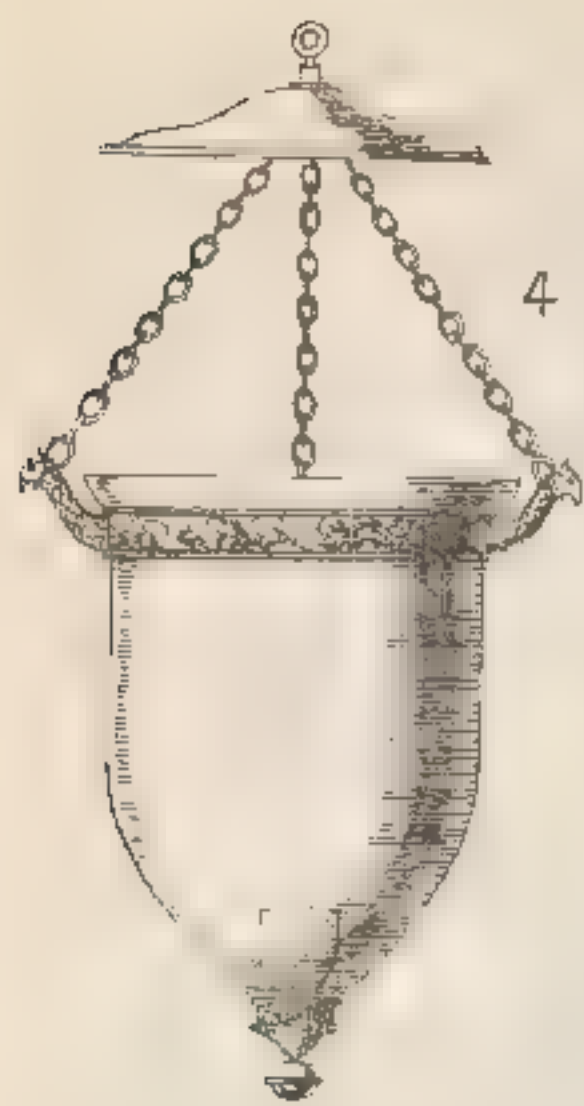
No. 13 " 9 in. " " " 28/6 with drops 34/3

If with engraved hemispheres, 1/6 ex. If with engraved under-dishes, 1/3 ex.

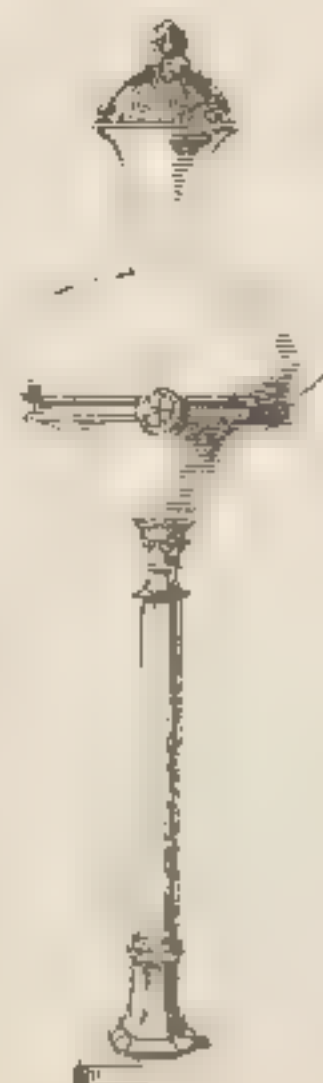
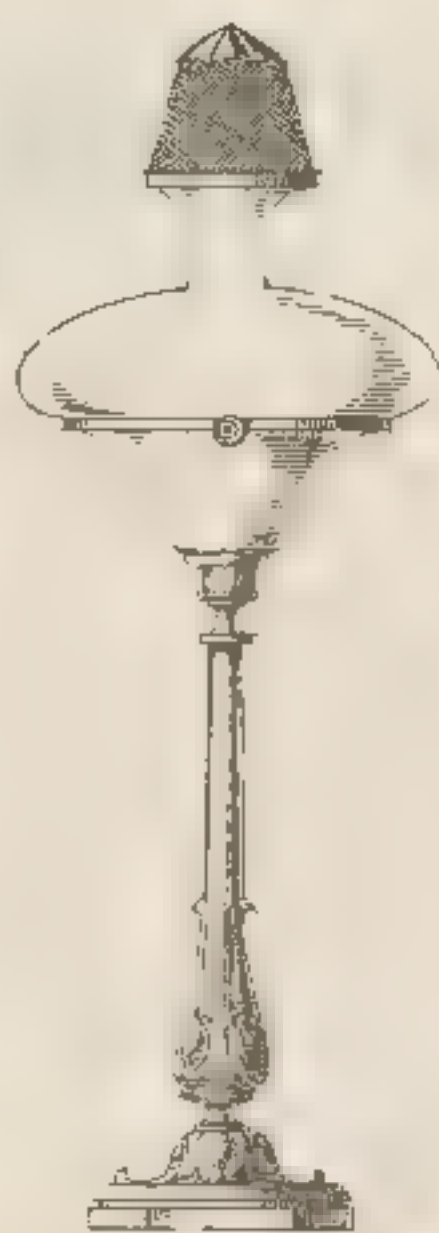
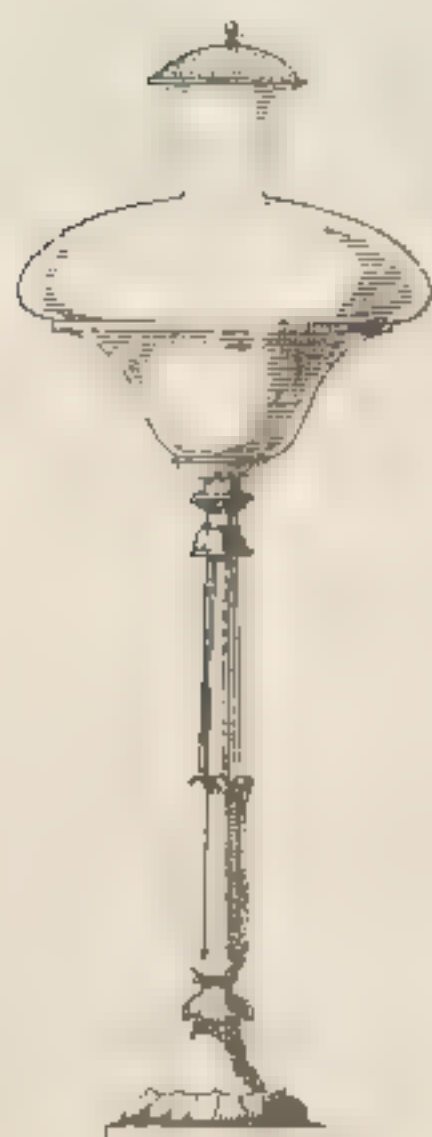
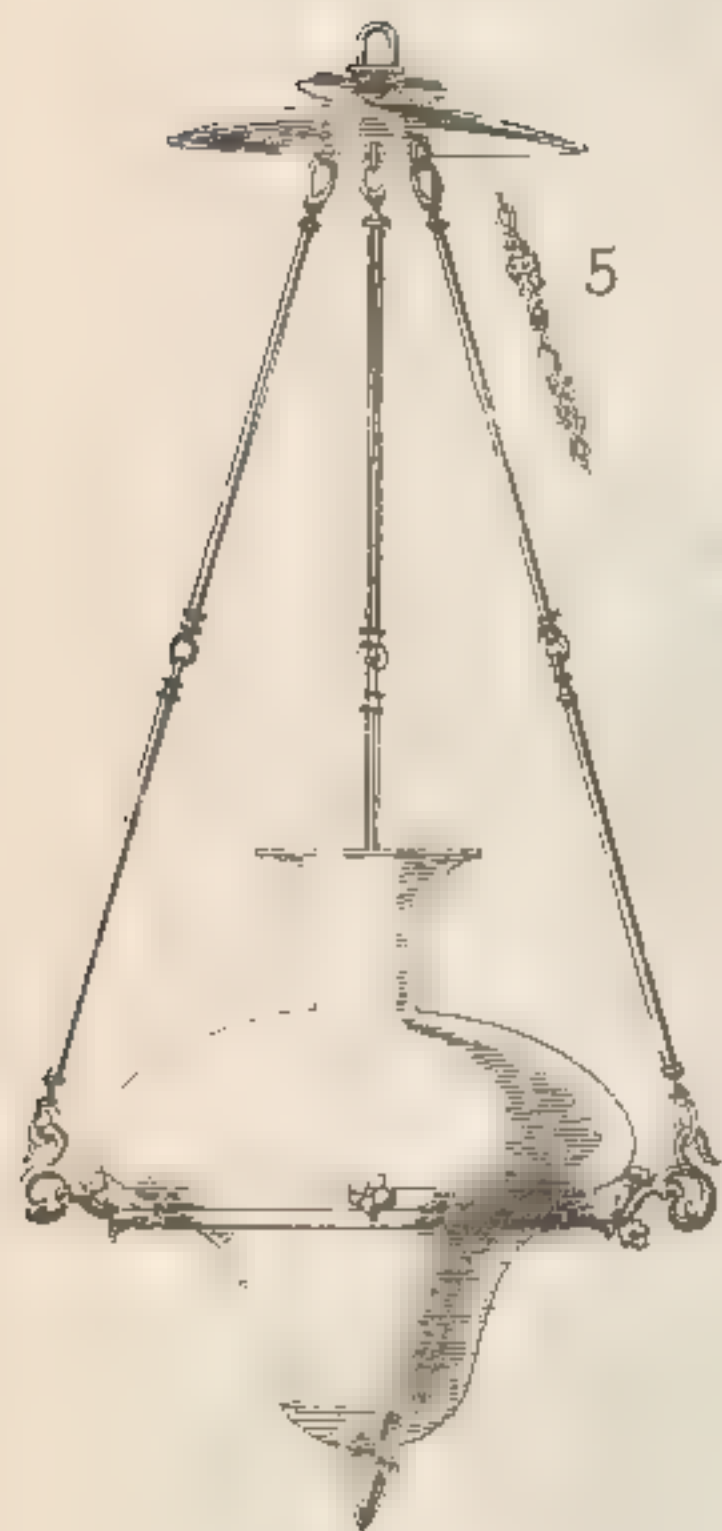
If with P. A. Drops, 7/6 extra. If Electro-plated, 8/- extra.

If made with Solar Burners and Double Chimneys, 2/- each extra.

LAMPS & CHANDELIERS.



5 B



8

9

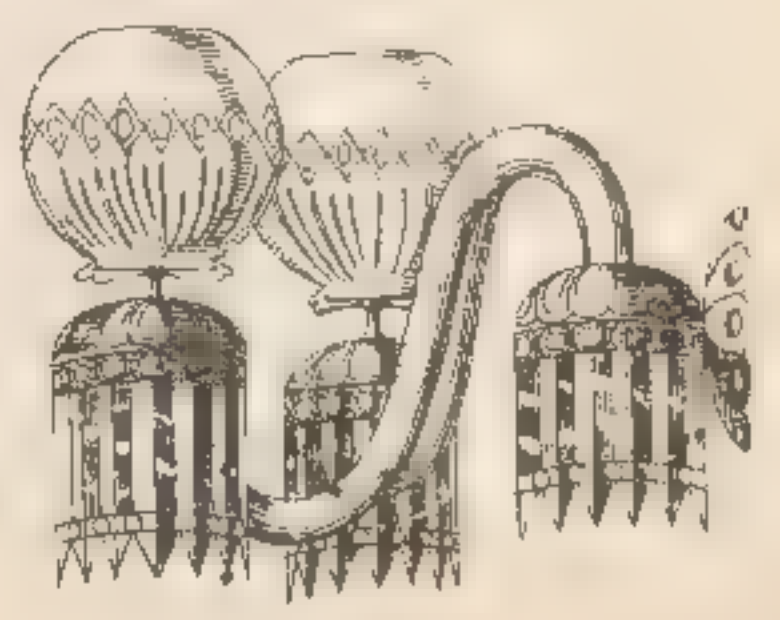
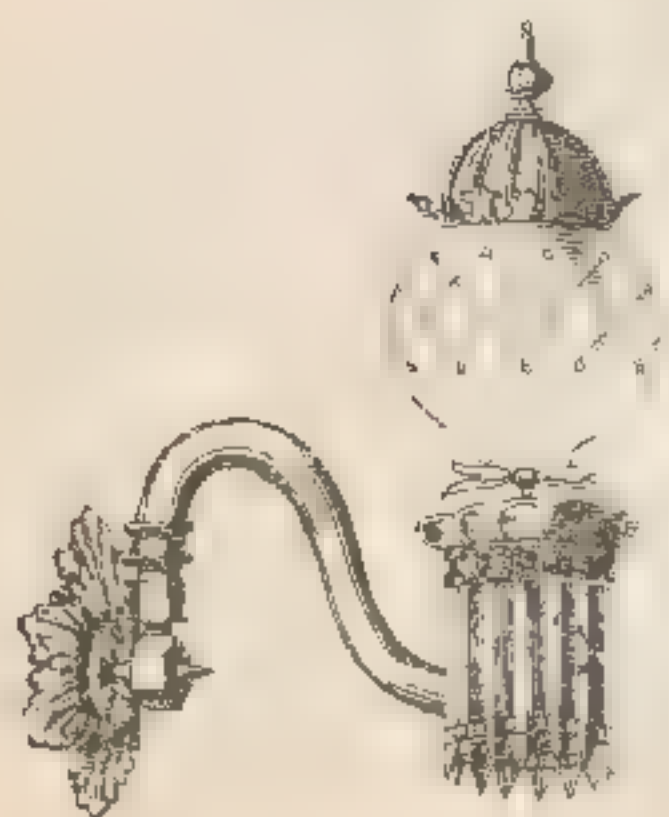
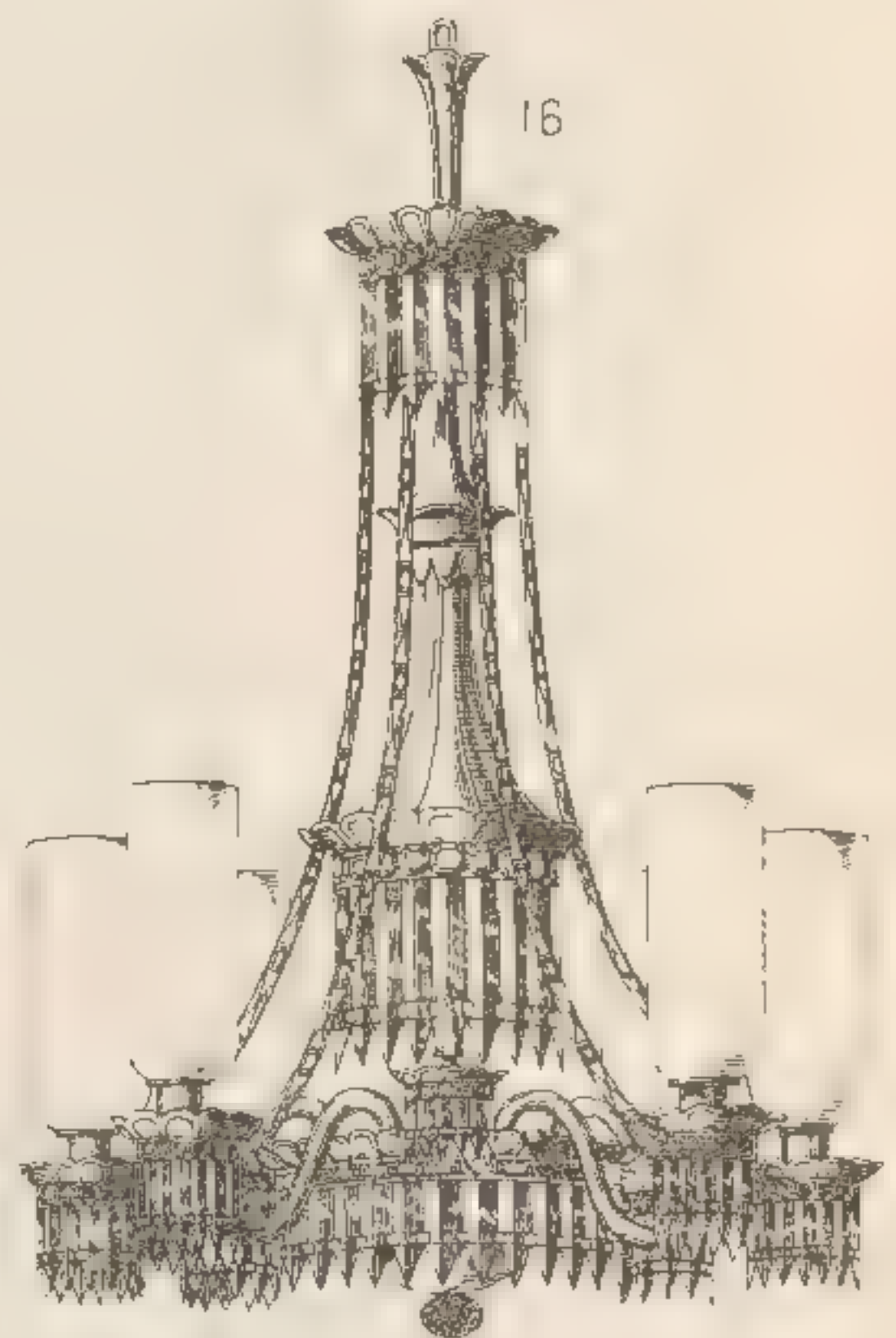
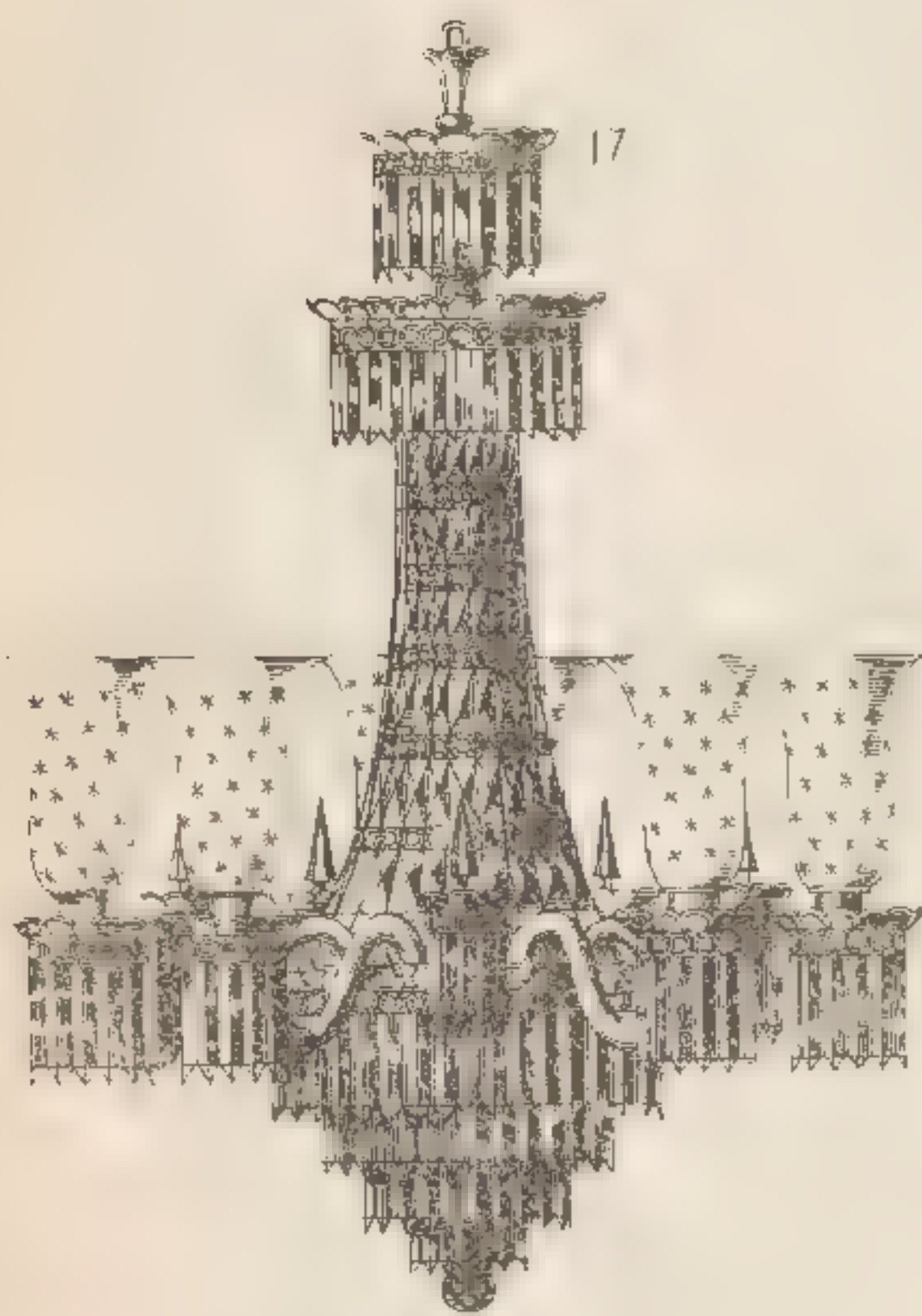
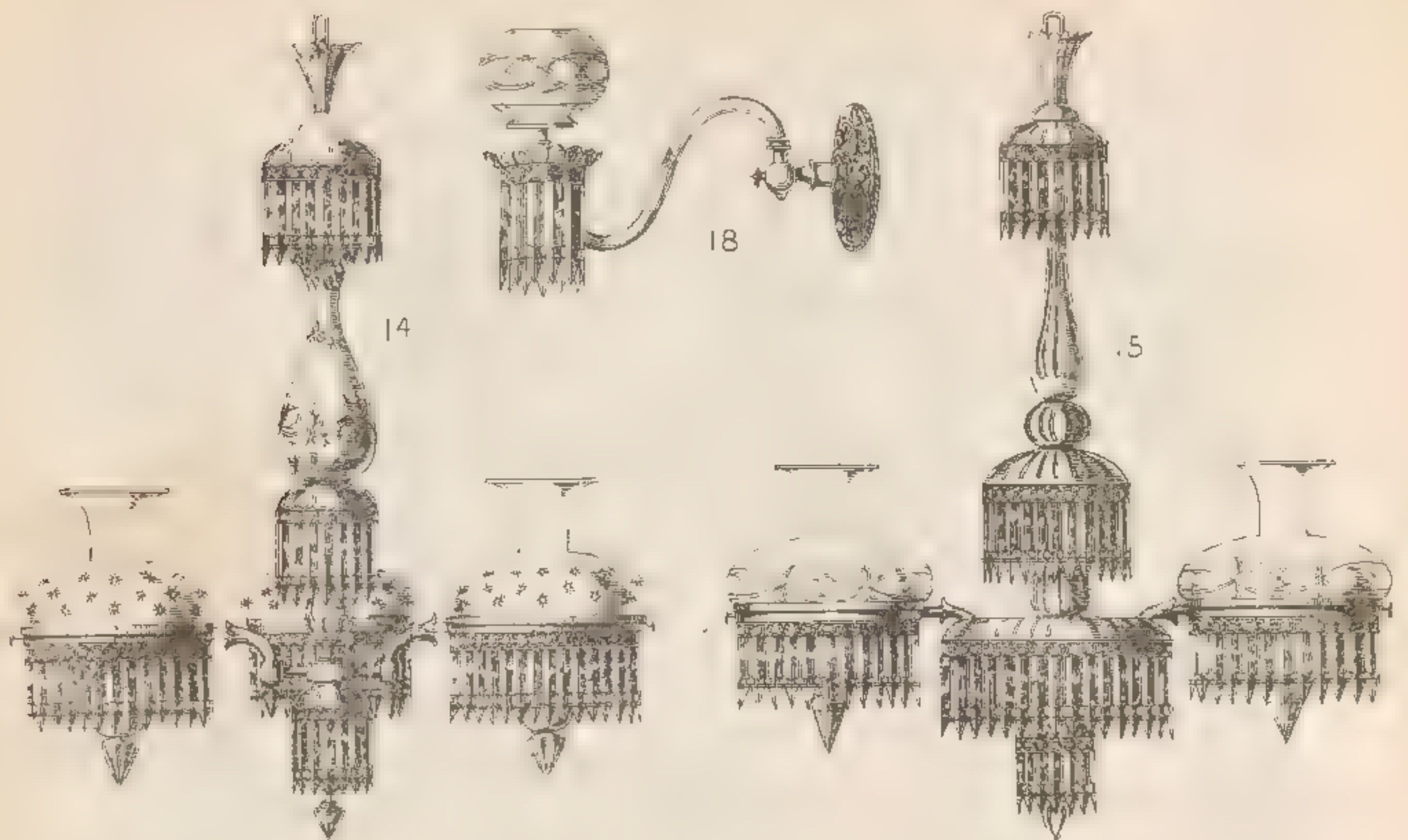
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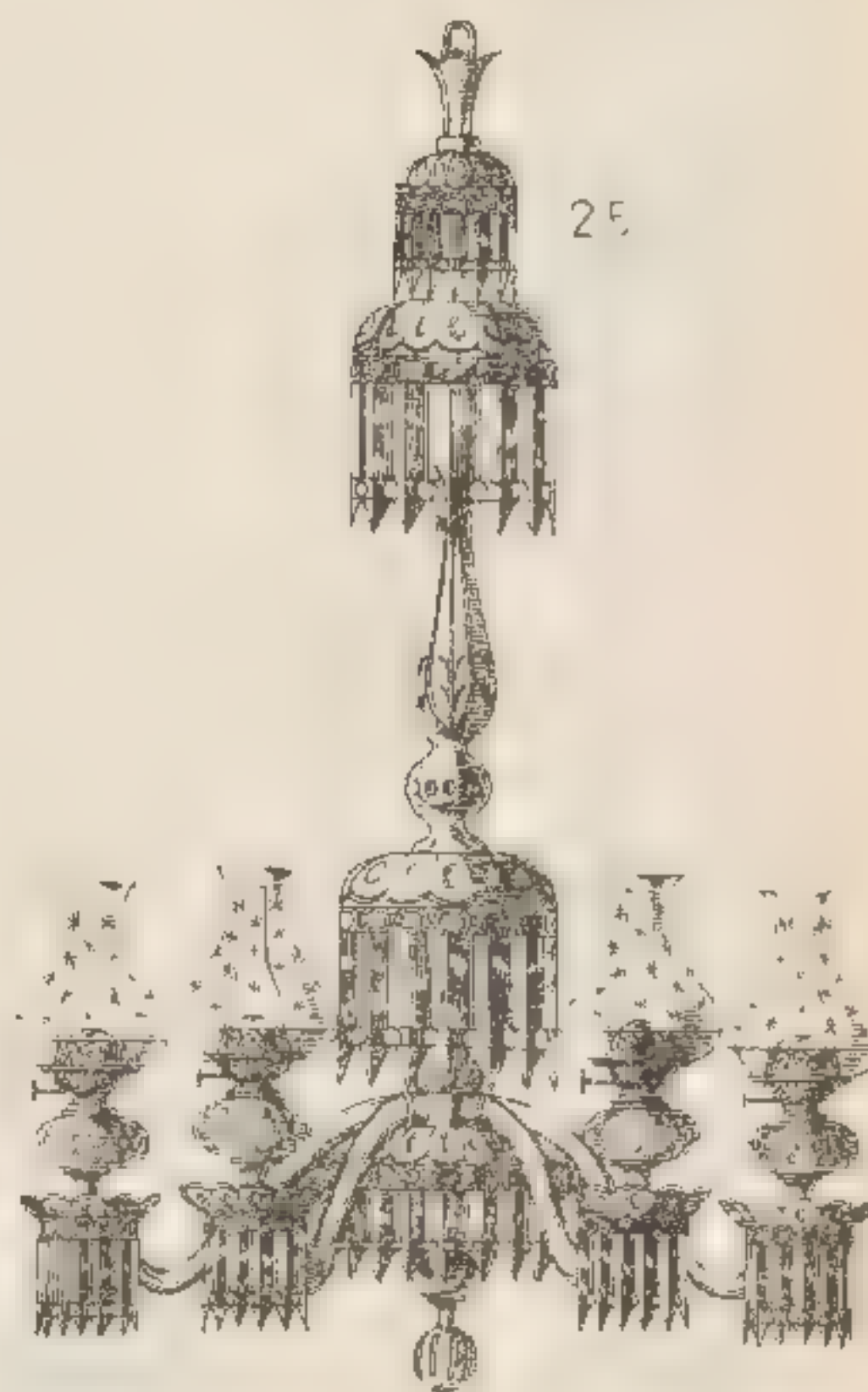
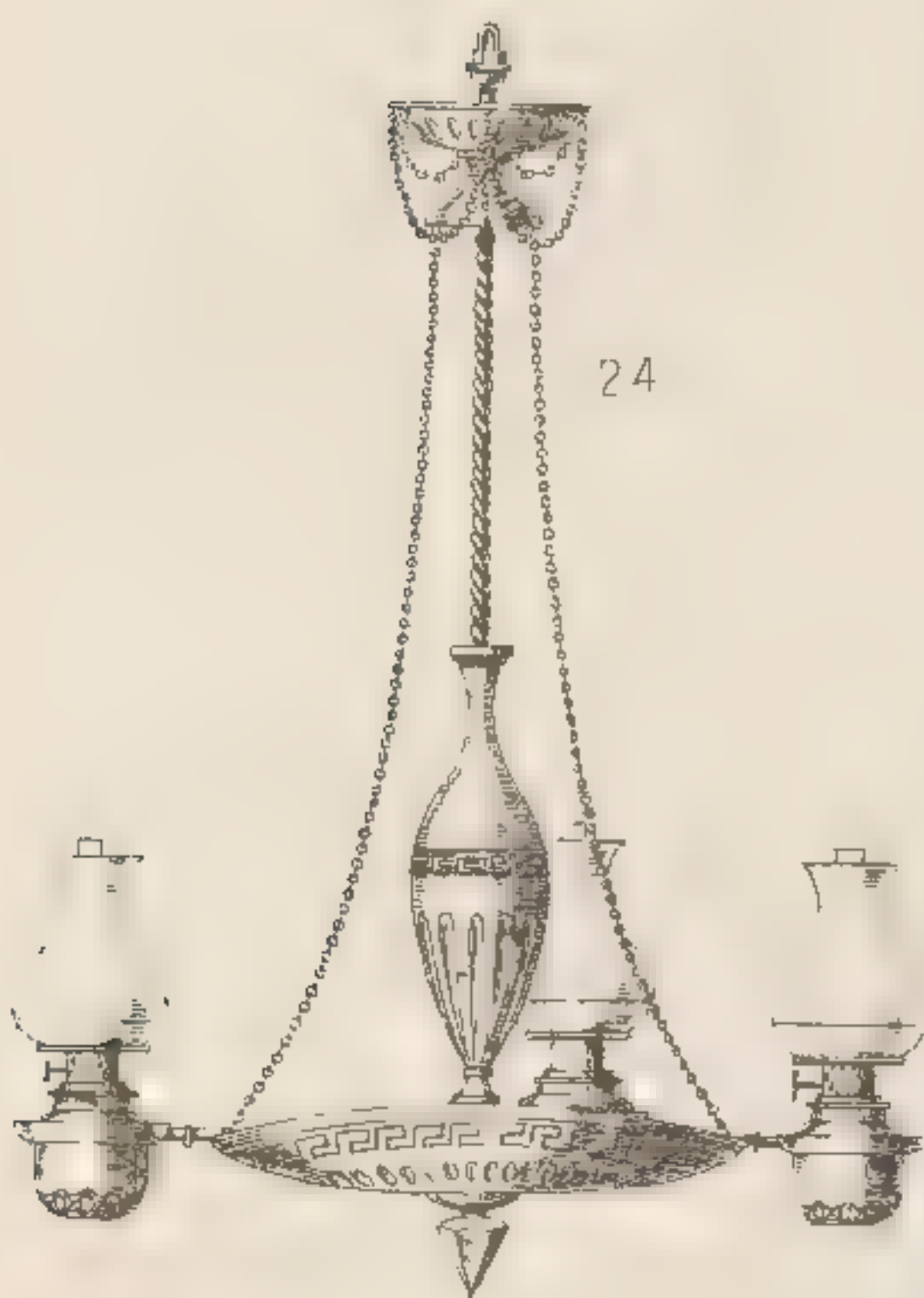
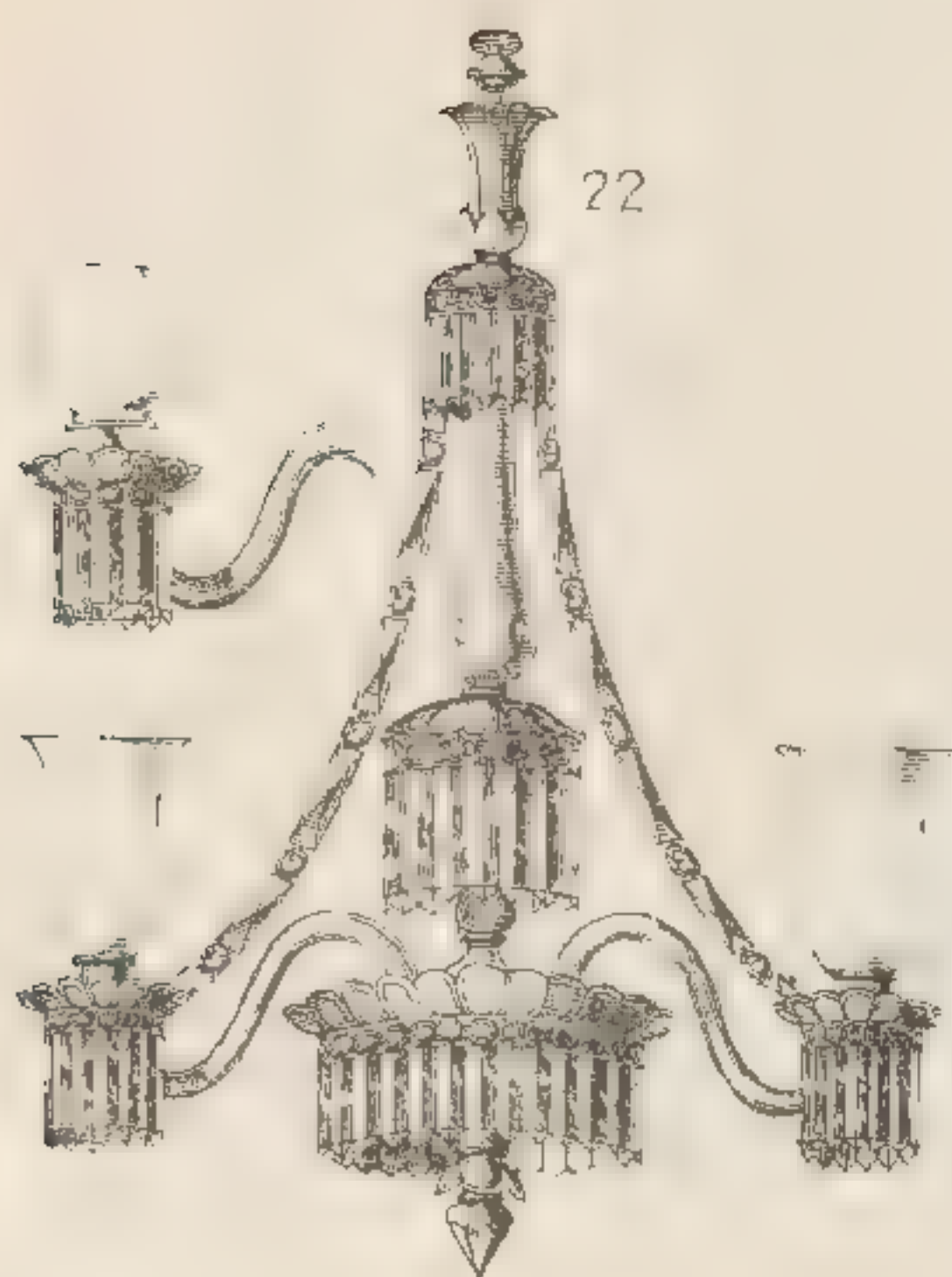
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LAMPS & CHANDELIERS.



LAMPS & CHANDELIERS.



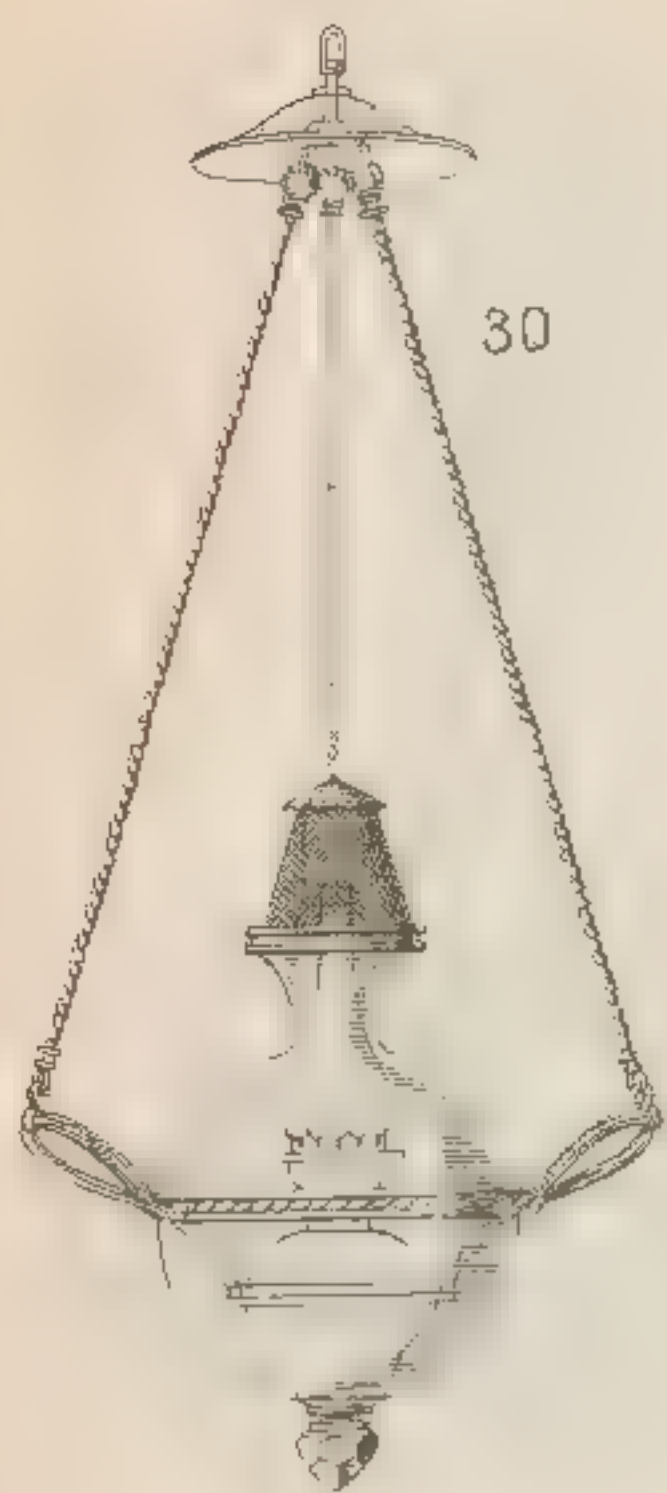
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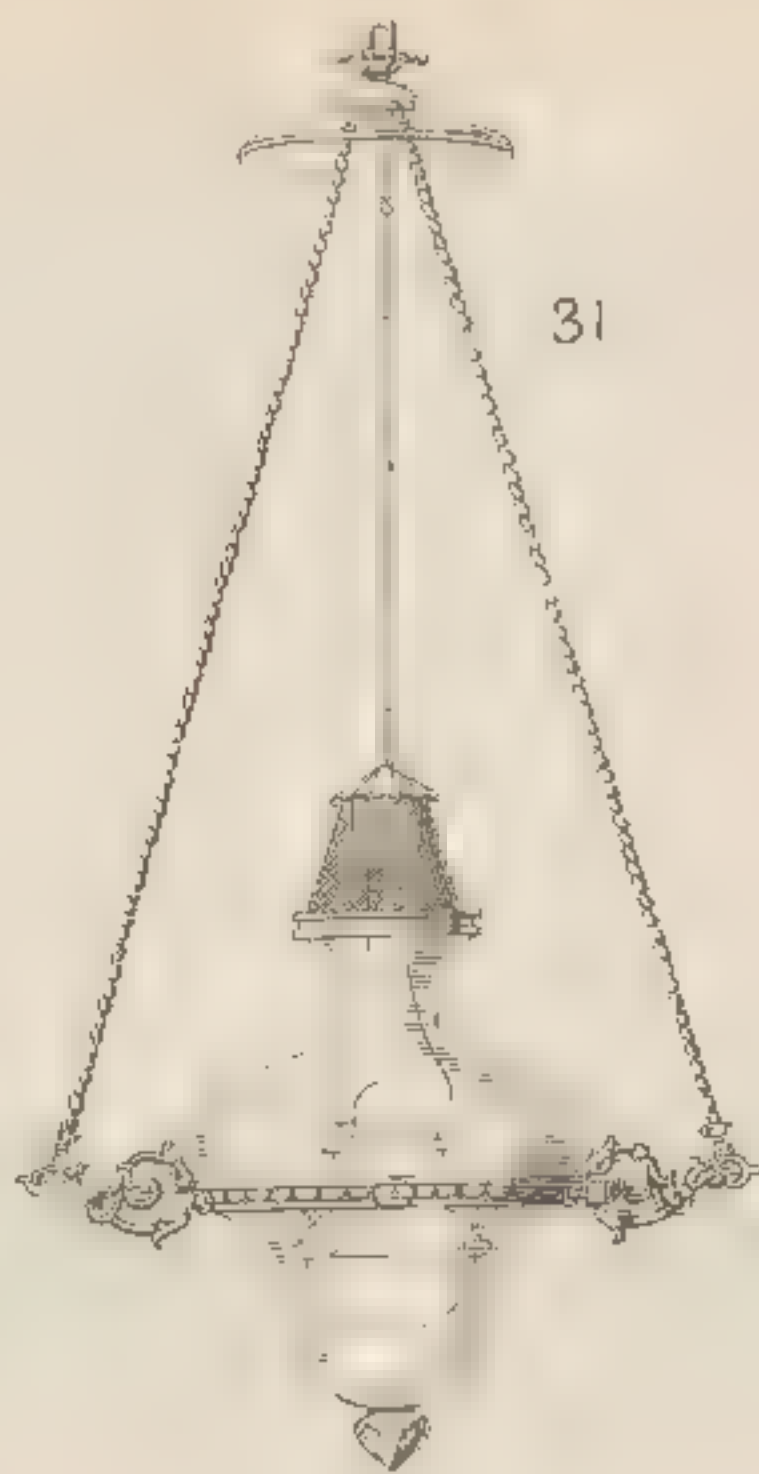
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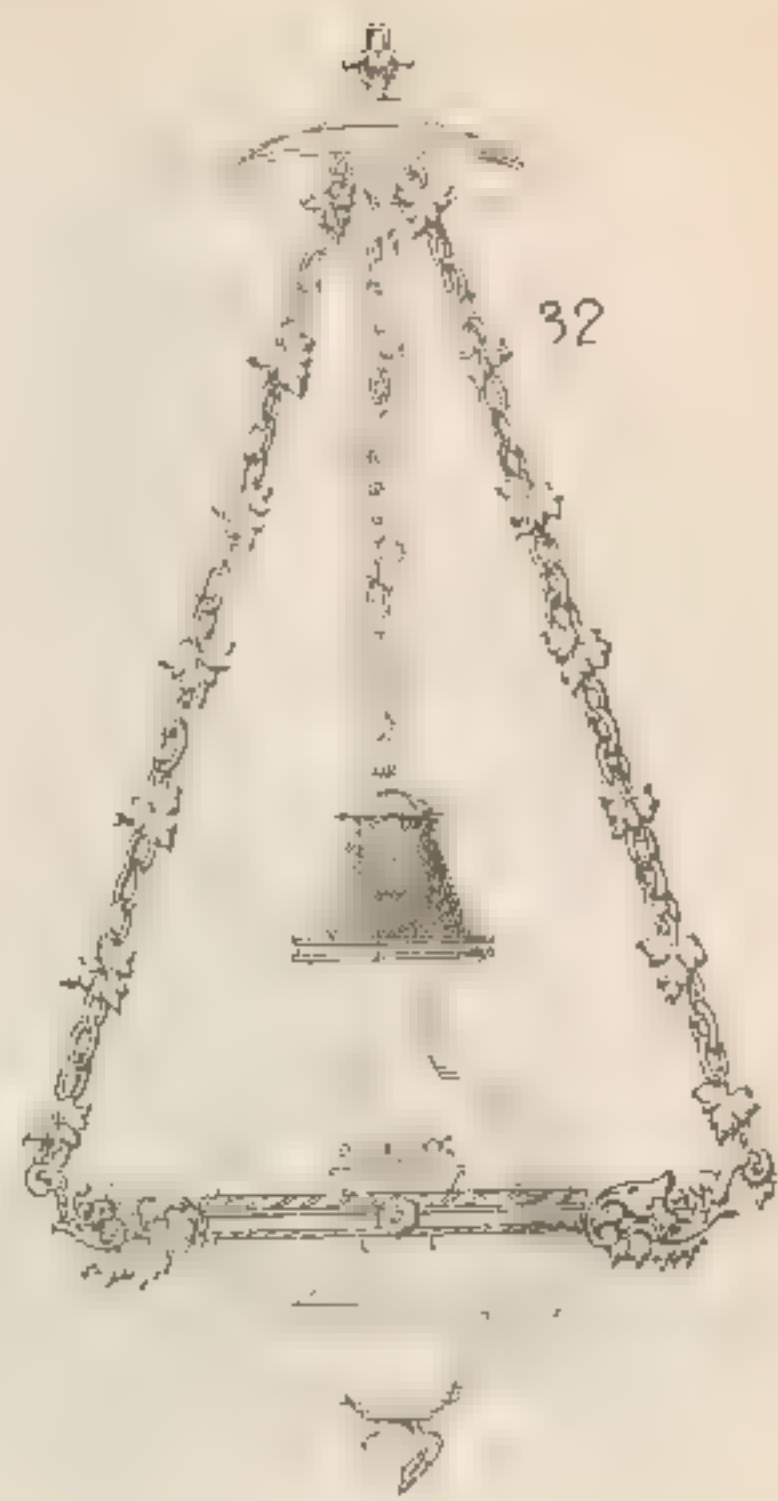
LAMPS & CHANDELIERS.



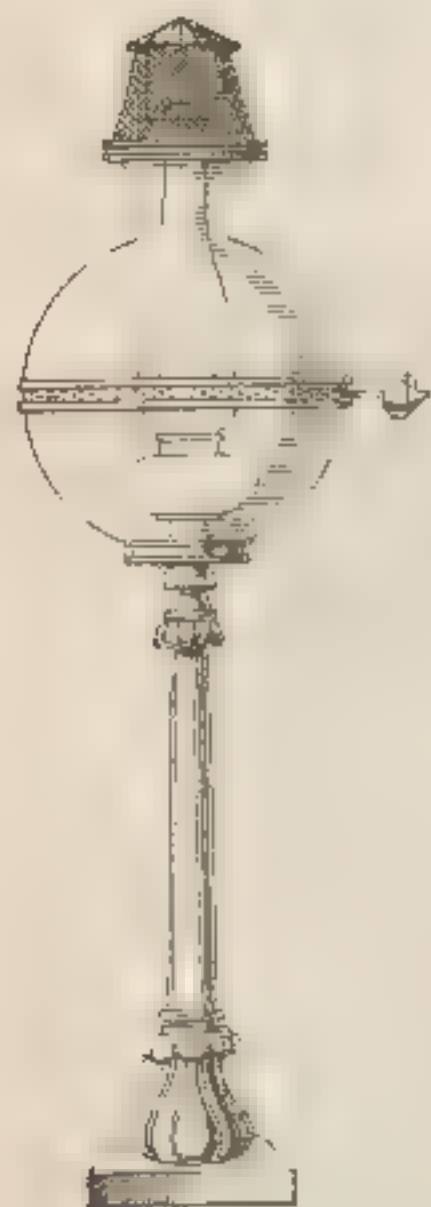
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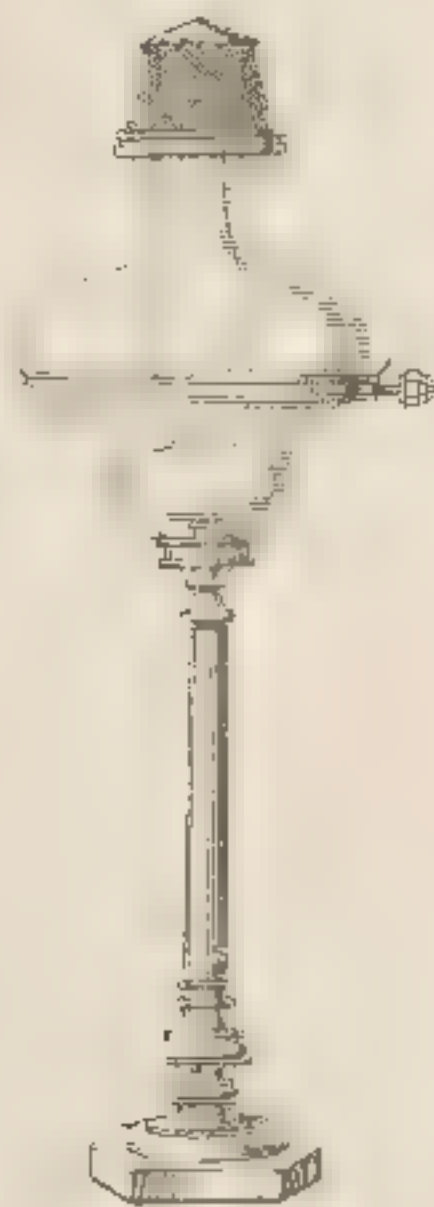
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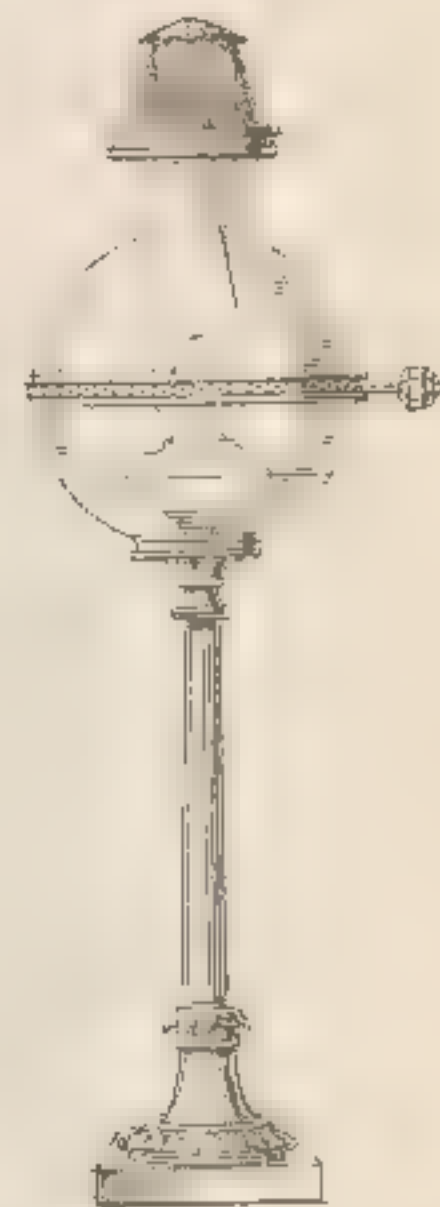
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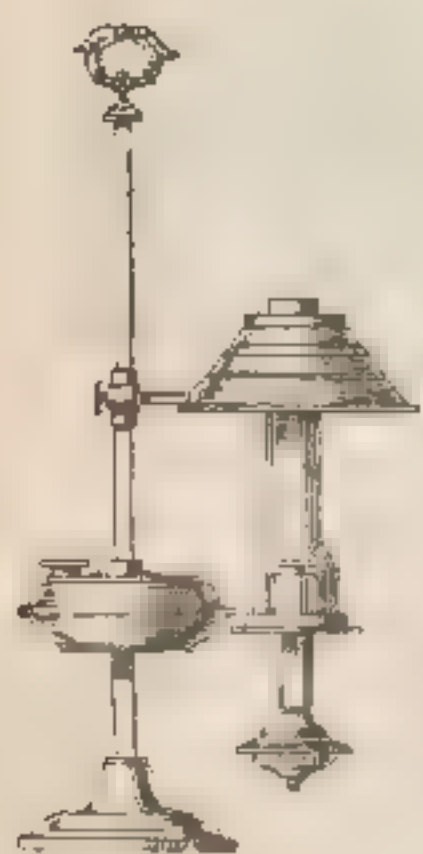
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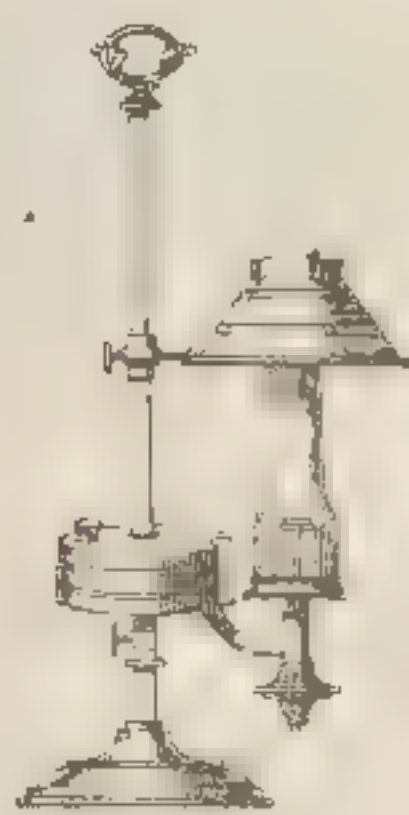
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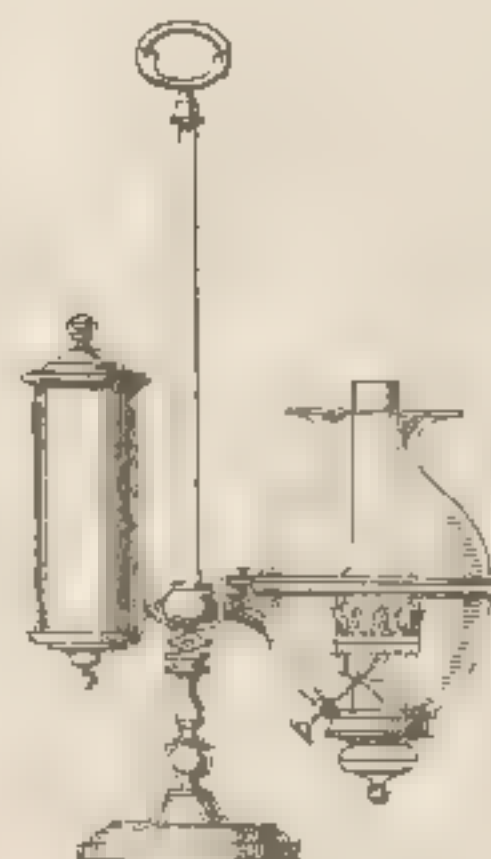
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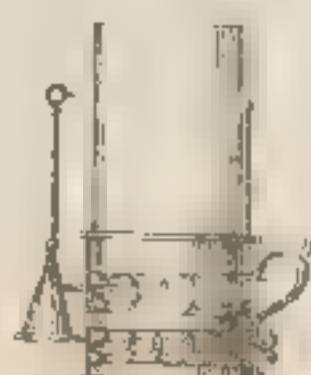
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LAMPS AND CHANDELIERS (continued).

CUT CRYSTAL CHANDELIERS, for burning Colza, Cocoa-Nut, and other Oils, fitted with 10-inch Electro-plated best Rack-Wheel Heads, and Solar Burners; priced with Roughed Hemispheres, Under Dishes, Glass Cones, and Chimneys.

Engraved Glasses charged extra.

	2 Lights.	3 Lights.	4 Lights.	5 Lights.	6 Lights.	8 Lights.	10 Lights.	12 Lights.
No. 14	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plain Drops...	7 0 0	8 11 6	10 2 10	12 2 0	14 5 8	19 5 8	27 2 10	35 14 3
Plain Albert Drops	7 5 9	9 0 0	10 11 4	12 17 2	15 2 10	20 8 7	28 11 5	37 8 7
Cut Albert Drops	7 11 6	9 8 6	11 5 10	13 11 5	16 0 0	21 10 5	30 0 0	39 2 10
No. 15								
Plain Drops...	7 4 4	8 18 0	10 11 6	12 13 7	14 8 7	20 2 10	28 4 3	37 0 0
Plain Albert Drops	7 10 0	9 6 6	11 2 10	13 7 9	15 15 9	21 5 8	29 12 10	38 14 3
Cut Albert Drops	7 15 9	9 15 4	11 14 3	14 2 0	16 12 10	22 8 7	31 1 5	40 8 0

If with Engraved Hemispheres, 1/6 extra.
Ditto Ditto Under-dishes, 1/3 extra.
If with Plain Albert Drops, 7/6 extra.

CUT CRYSTAL CHANDELIERS, for Candles, for Tulip Shades, as shown in No. 17; or Pillar Shades, as shown in No. 16.

All Shades charged extra.

	2 Lights.	3 Lights.	4 Lights.	5 Lights.	6 Lights.	8 Lights.	10 Lights.	12 Lights.
No. 16	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plain Drops...	...	8 6 0	9 17 0	11 1 0	13 7 6	16 18 0	18 12 0	21 16 0
Plain Albert Drops	...	8 15 0	10 9 0	11 16 0	14 5 6	18 2 0	20 2 0	23 2 0
Cut Albert Drops	...	9 1 0	10 17 0	12 6 0	14 17 6	18 18 0	21 2 0	24 6 0
No. 17								
Plain Drops...	...	11 11 0	13 6 0	14 15 0	16 4 0	21 1 0	26 8 0	30 9 0
Plain Albert Drops	...	12 0 0	13 14 0	15 10 0	17 2 0	22 4 0	27 2 0	32 4 0
Cut Albert Drops	...	12 8 0	14 5 0	15 17 0	18 9 0	23 7 0	28 11 0	35 18 0
No. 22								
Plain Drops...	2 12 0	3 6 0	4 0 0	5 0 0	5 19 0	8 6 0	...	...
Plain Albert Drops	2 16 0	3 12 0	4 8 0	5 10 0	6 11 0	9 2 0	...	...
Cut Albert Drops	2 19 0	3 16 6	4 14 0	5 17 0	7 0 0	9 18 0	...	...
No. 24								
Plain Drops...	2 16 0	3 4 0	3 15 0	4 17 6	6 1 6	9 7 0	...	...
Plain Albert Drops	3 0 0	3 10 0	4 3 6	5 7 6	6 13 6	10 3 0	...	...
Cut Albert Drops	3 5 0	3 14 6	4 9 6	5 15 0	7 2 6	10 15 0	...	...

Plain Pillar or Tulip Shades ... 8 ... 9 ... 10 ... 11 inch.
If Engraved with Flowers... -/10 -/11½ 1/1 1/2½ each.
" Stars ... 1/2½ 1/4 1/6 1/7½ "
" 1/3 1/5 1/7 1/9 "

CUT CRYSTAL WALL-BRACKETS FOR GAS.

All Globes charged extra.

	1 Light.	2 Lights.	3 Lights.		1 Light.	2 Lights.	3 Lights.
No. 18.	£ s. d.	£ s. d.	£ s. d.	No. 20.	£ s. d.	£ s. d.	£ s. d.
Plain Drops...	0 17 0	...	...	Plain Drops...	1 5 0	2 1 0	3 0 0
Plain Albert Drops	0 18 0	...	...	Plain Albert Drops	1 6 0	2 2 6	3 2 0
Cut Albert Drops	0 19 0	...	...	Cut Albert Drops	1 7 0	2 4 0	3 4 0
No. 19.				No. 21.			
Plain Drops...	0 17 6	1 13 6	...	Plain Drops...	1 18 0	2 18 0	4 5 6
Plain Albert Drops	0 18 6	1 15 0	...	Plain Albert Drops	1 19 0	2 19 6	4 7 6
Cut Albert Drops	0 19 6	1 16 6	...	Cut Albert Drops	2 0 0	3 1 0	4 9 6

Brass Coronas, with Terra Cotta Smoke Consumers, as shewn in No. 19, 15/- per dozen.

LAMPS AND CHANDELIERS (continued).

FOR CANDLES, for Tulip Shades, as shown in No. 17, or Pillar Shades, as shown in No. 16.

All Shades charged extra.

	1 Light.	2 Lights.	3 Lights.		1 Light.	2 Lights.	3 Lights.
	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.
No. 18.				No. 20.			
Plain Drops...	0 19 0	...	...	Plain Drops...	1 7 0	2 5 0	3 6 0
Plain Albert Drops	1 0 0	...	...	Plain Albert Drops	1 8 0	2 6 6	3 8 0
Cut Albert Drops	1 1 0	...	...	Cut Albert Drops	1 9 0	2 8 0	3 10 0
No. 19.				No. 21.			
Plain Drops...	0 19 6	1 17 6	...	Plain Drops...	2 0 0	3 2 0	4 11 6
Plain Albert Drops	1 0 6	1 19 0	...	Plain Albert Drops	2 1 0	3 3 6	4 13 6
Cut Albert Drops	1 1 6	2 0 6	...	Cut Albert Drops	2 2 0	3 5 0	4 15 6

CUT CRYSTAL CHANDELIERS, IF FOR GAS.

All Globes charged extra.

	2 Lights.	3 Lights.	4 Lights.	5 Lights.	6 Lights.	8 Lights.	10 Lights.	12 Lights.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
No. 16.								
Plain Drops...	...	8 0 0	9 9 0	10 11 0	12 15 6	16 2 0	17 12 0	20 12 0
Plain Albert Drops	...	8 9 0	10 1 0	11 6 0	13 13 6	17 6 0	19 2 0	21 18 0
Cut Albert Drops	...	8 15 0	10 9 0	11 16 0	14 5 6	18 2 0	20 2 0	23 2 0
No. 17.								
Plain Drops...	...	11 5 0	12 18 0	14 5 0	15 12 0	20 5 0	25 8 0	29 5 0
Plain Albert Drops	...	11 14 0	13 10 0	15 0 0	16 10 0	21 8 0	26 2 0	31 0 0
Cut Albert Drops	..	12 2 0	13 17 0	15 7 0	17 17 0	22 11 0	27 11 0	34 14 0
No. 22.								
Plain Drops...	2 12 0	2 13 0	3 7 6	4 7 6	5 9 6	8 11 0		
Plain Albert Drops	2 16 0	3 4 0	3 15 6	4 17 6	6 1 6	9 7 0	...	...
Cut Albert Drops	2 19 0	3 8 6	4 1 6	5 5 0	6 10 6	9 19 0		
No. 23.								
Plain Drops...	2 8 0	2 16 0	3 12 0	4 10 0	5 7 0	7 10 0		
Plain Albert Drops	2 12 0	3 2 0	4 0 0	5 0 0	5 19 0	8 6 0	...	...
Cut Albert Drops	2 15 0	3 6 6	4 6 0	5 7 0	6 8 0	8 19 0		
No. 24.								
Plain Drops...	3 10 0	4 12 6	5 10 0	6 17 6	8 7 0	10 10 0		
Plain Albert Drops	3 12 0	4 15 6	5 14 0	7 2 6	8 13 0	10 18 0	...	...
Cut Albert Drops	3 14 0	4 8 0	5 18 0	8 7 6	8 19 0	11 6 0		
No. 25.								
Plain Drops...	3 15 0	4 10 0	5 5 0	6 5 0	7 5 0	9 10 0		
Plain Albert Drops	3 19 0	4 16 0	5 13 0	6 15 0	7 17 0	10 6 0	...	...
Cut Albert Drops	4 2 0	5 0 6	5 19 0	7 2 0	8 6 0	10 18 0		

CUT CRYSTAL CHANDELIERS, for Paraffin, Kerosine, Petroleum, or other Mineral Oils, Fitted with Cut Glass Founts, and Hinks' or other Burners.

All Shades, Globes, and Chimneys Charged Extra.

	2 Lights	3 Lights	4 Lights	5 Lights	6 Lights	8 Lights	10 Lights	12 Lights
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
No. 24.								
Plain Drops...	...	7 0 0	8 14 0	10 17 6	13 15 0	...	...	...
Plain Albert Drops	...	7 6 0	9 2 0	11 7 6	14 7 0	...	...	...
Cut Albert Drops	...	7 10 6	9 8 0	11 15 0	14 16 0	...	...	...
No. 25.								
Plain Drops...	...	6 18 0	8 9 0	10 5 0	12 17 0	..	...	...
Plain Albert Drops	...	7 4 0	8 17 0	10 15 0	13 9 0	...	...	...
Cut Albert Drops	...	7 8 6	9 3 0	11 2 6	13 18 0	...	...	...

Any of the Brackets can be fitted with Glass Founts, &c., as above, at the following prices :—

Single 1 inch Electro-Plated Burner and Head 13/4 per light extra to Gas.

Duplex, „ „ „ 16/- „

CUT CRYSTAL LUSTRES WITH ELECTRO-PLATED MOUNTS, priced with Plain Tulip Shades for Candles.

Engraved Shades charged from 9d. each extra.

No. 26.— Pillar, 12 in. high, with Plain Albert Drops .. £1 16 0 each.

No. 28.— „ 12 in. „ „ „ 1 5 0 „

LAMPS AND CHANDELIERS (continued).

CUT CRYSTAL CANDELABRA, priced with Plain Tulip Shades.

Engraved Shades charged from 9d. each Light extra.

	2 Lights	3 Lights	4 Lights	5 Lights
No. 27.—Plain Drops	£ s. d. 3 18 6	£ s. d. 5 0 0	£ s. d. 6 1 0	£ s. d. 7 2 6
Plain Albert Drops	4 0 6	5 2 6	6 5 0	7 7 0
Cut Albert Drops	4 2 6	5 5 6	6 8 0	7 11 0
No. 29.—Plain Drops	3 11 0	4 11 0		
Plain Albert Drops	3 13 0	4 13 0	...	...
Cut Albert Drops	3 15 0	4 15 0		

PETROLEUM LAMPS, for India, fitted with Hinks' or other Burners, and Punkah tops. Priced as shown. Engraved glasses extra.

Hanging Lamps, 10 in.—No. 30	30/-	} If with drops, 7/6 each extra.
No. 31	...	...	29/-
No. 32	...	...	29/-
Table Lamps, 10 in.—No. 33	29 6	} Drops extra as above.
No. 34	...	...	29 6
No. 35	...	...	29 6

CAMBRIDGE READING LAMPS, Bronzed, Lacquered, or Bronzed relieved. Priced with glasses—

No. 36—One light, with Chimney as drawn, 10/6 each; with Chimney and engraved lotus shade, 12/3 each.

Two lights, with Chimney as drawn, 16/- each; with Chimney and engraved lotus shade, 19/5 each.

No. 37—One light, with Chimney as drawn, 11/3 each; with Chimney and engraved lotus shade, 13/- each.

Two light, with Chimney as drawn, 16/9 each; with Chimney and engraved lotus shade, 20/3 each.

If Electro-Plated one-light, 5/- each extra; two-light, 6/5 each extra.

OXFORD READING LAMPS, Bronzed, Lacquered, or Bronzed relieved. Priced with glass—

No. 38—One light, with Porcelain Shade and Chimney (no fittings for under-dish) £ s. d.
0 15 8 each.

Two lights, with Porcelain Shade and Chimney (no fittings for under-dish) 1 2 6 "

One light with Porcelain Shade and Chimney, with flint under-dish and fittings 1 1 5 "

Two lights, with Porcelain Shade and Chimney, with flint under-dish and fittings 1 10 0 "

If Electro-plated, one light, 6/- extra; two-lights, 9/- extra.

If with green porcelain shade, 2/- each shade extra.

KEROSENE READING LAMP. Priced with opal shade and fount and glasses—

No. 39—Lacquered or Bronzed, 10/6 Electro-plated, 14/6

If with green shade, 9d. extra.

JAPANNED BACK LAMPS—

No. 40—With reflector and chimney complete 5/6 each.

No. 41—With reflector and chimney complete 5/9 "

CHAMBER CANDLE SHADES AND LAMPS—

No. 42—Lacquered or Bronzed, for Candle, with Glass Shade ... 3/9 each.

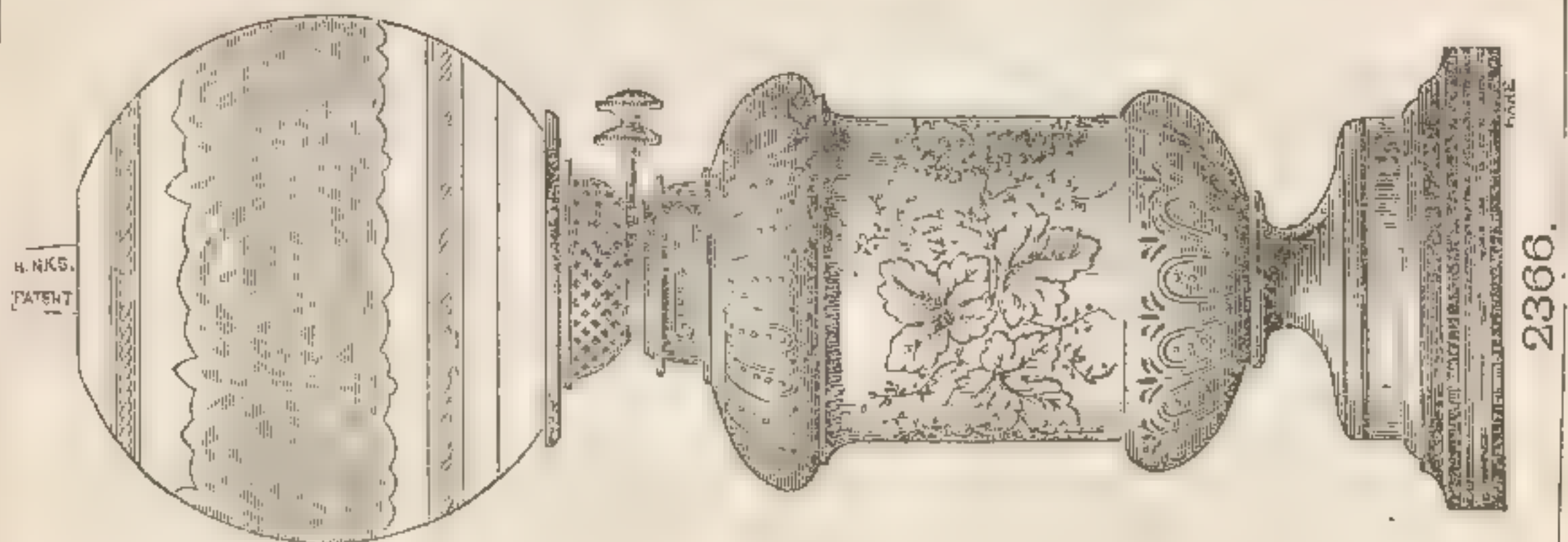
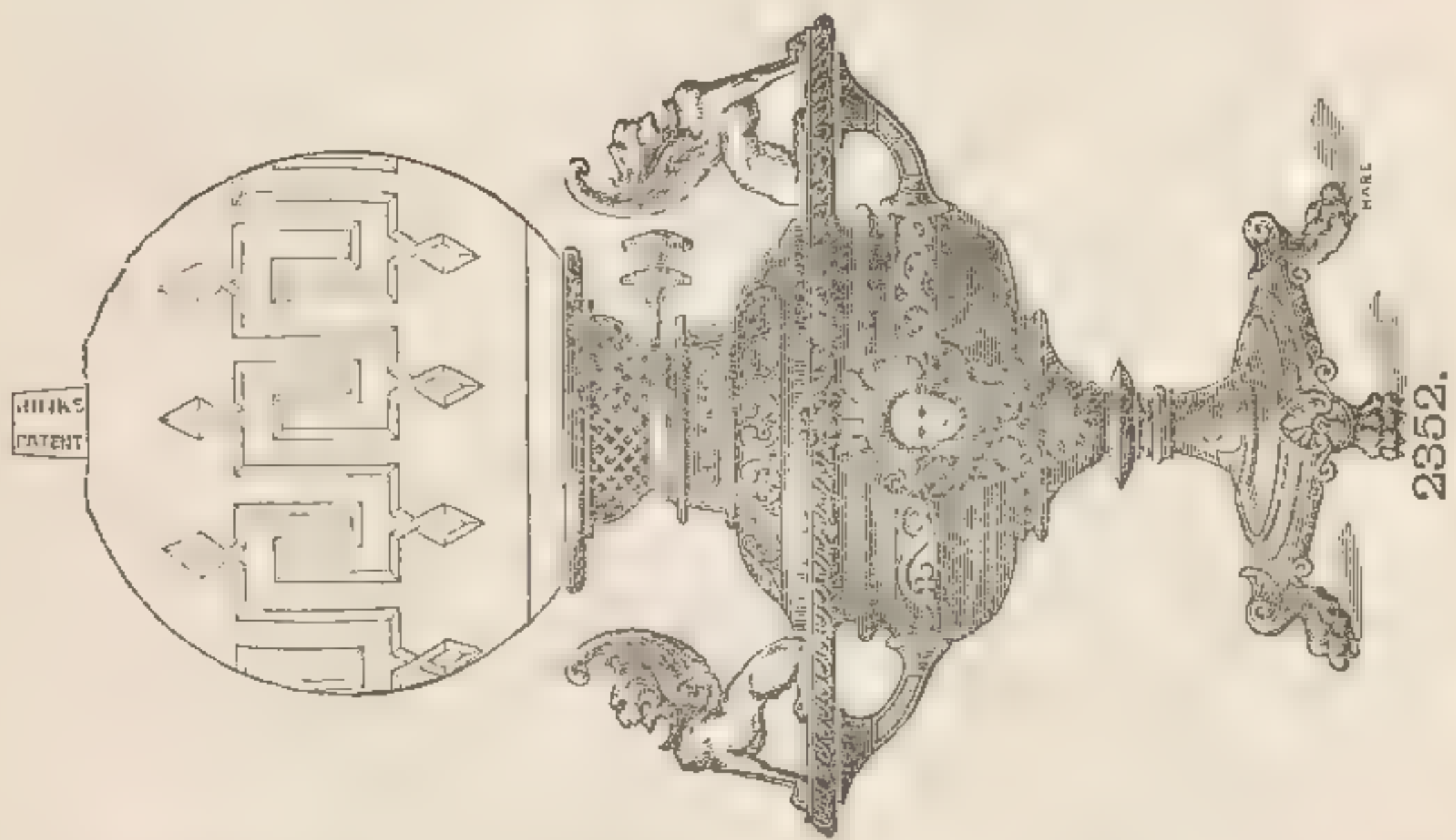
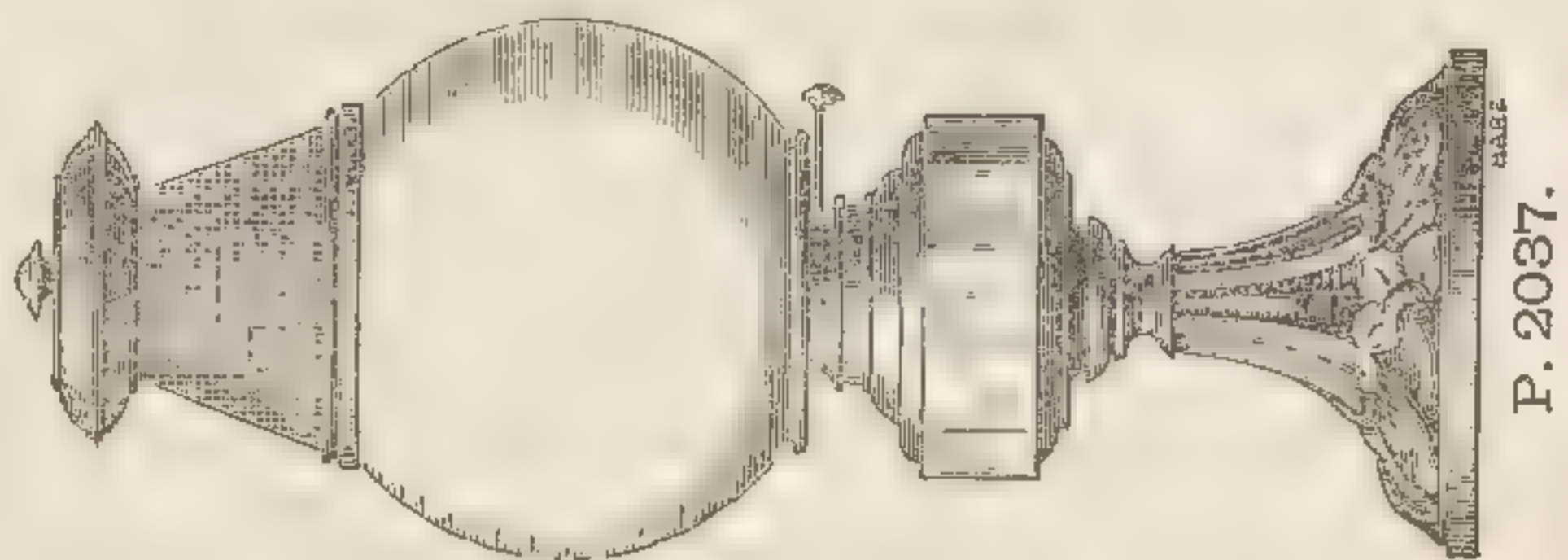
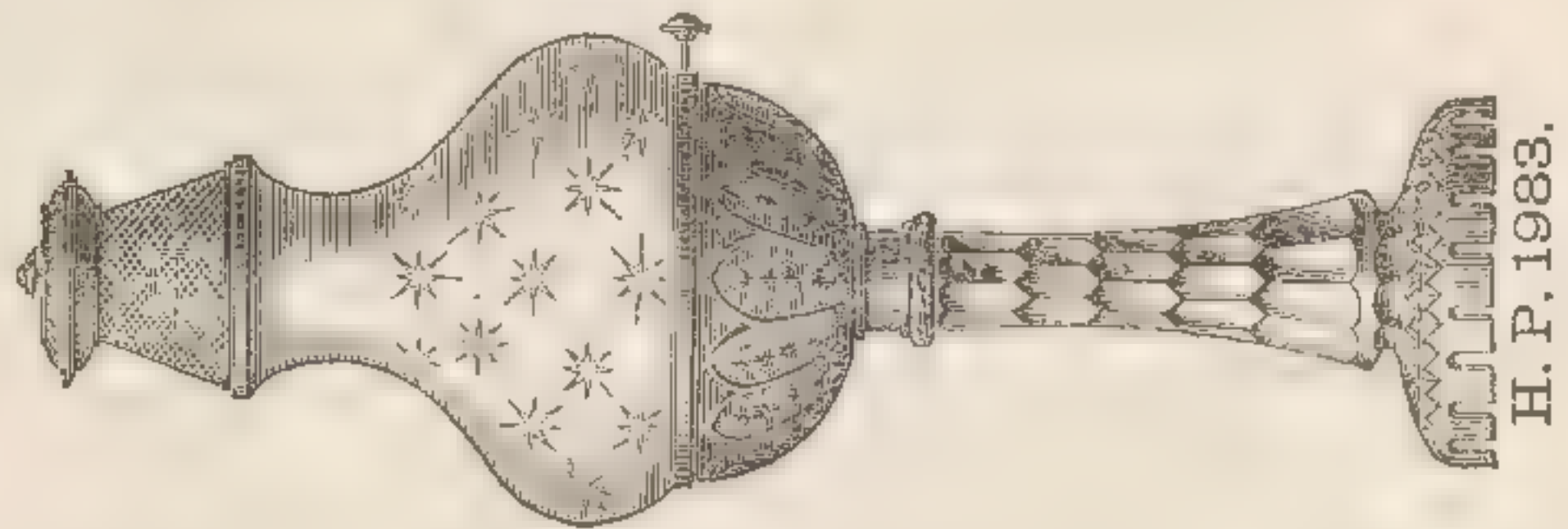
No. 43—Lacquered or Bronzed, for Candle, with Glass Shade ... 3/9 "

Electro-plated, for Candle, with Glass Shade ... 5/9 "

No. 44—Lacquered or Bronzed, for Oil, with Roughed Moon ... 3/7 "

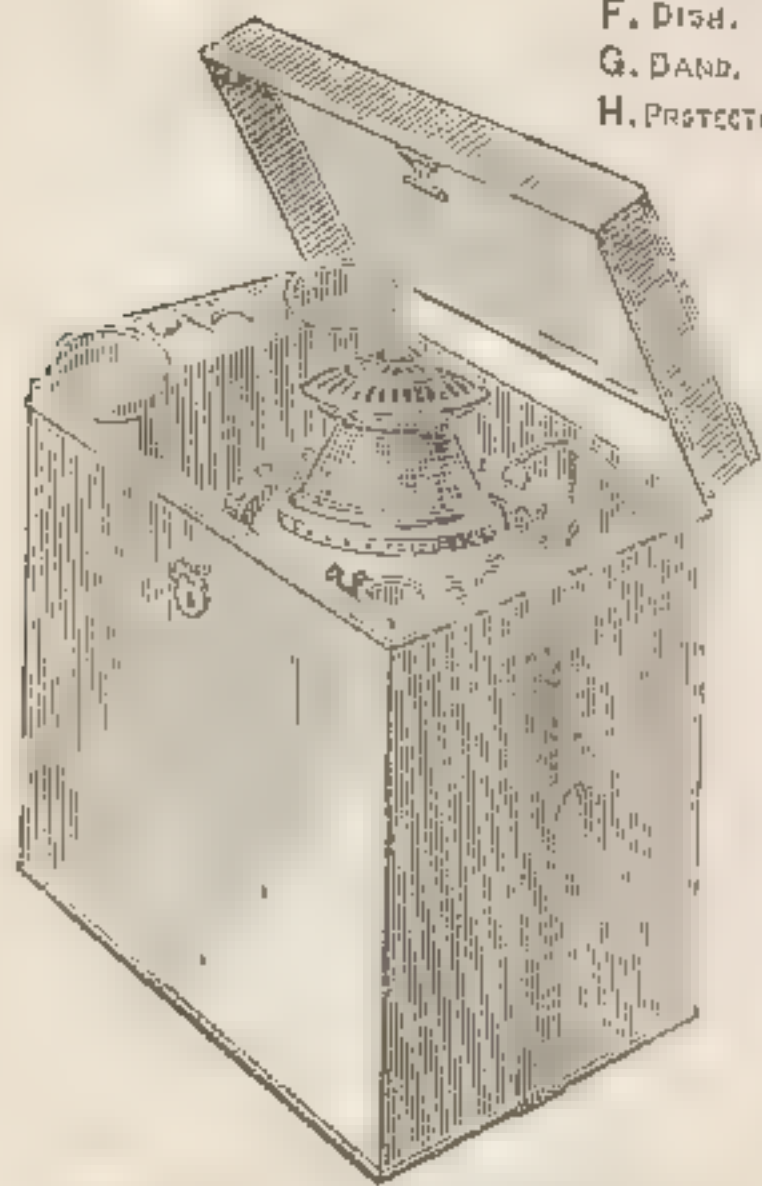
LAMPS AND CHANDELIERS (continued).

PETROLEUM LAMPS.



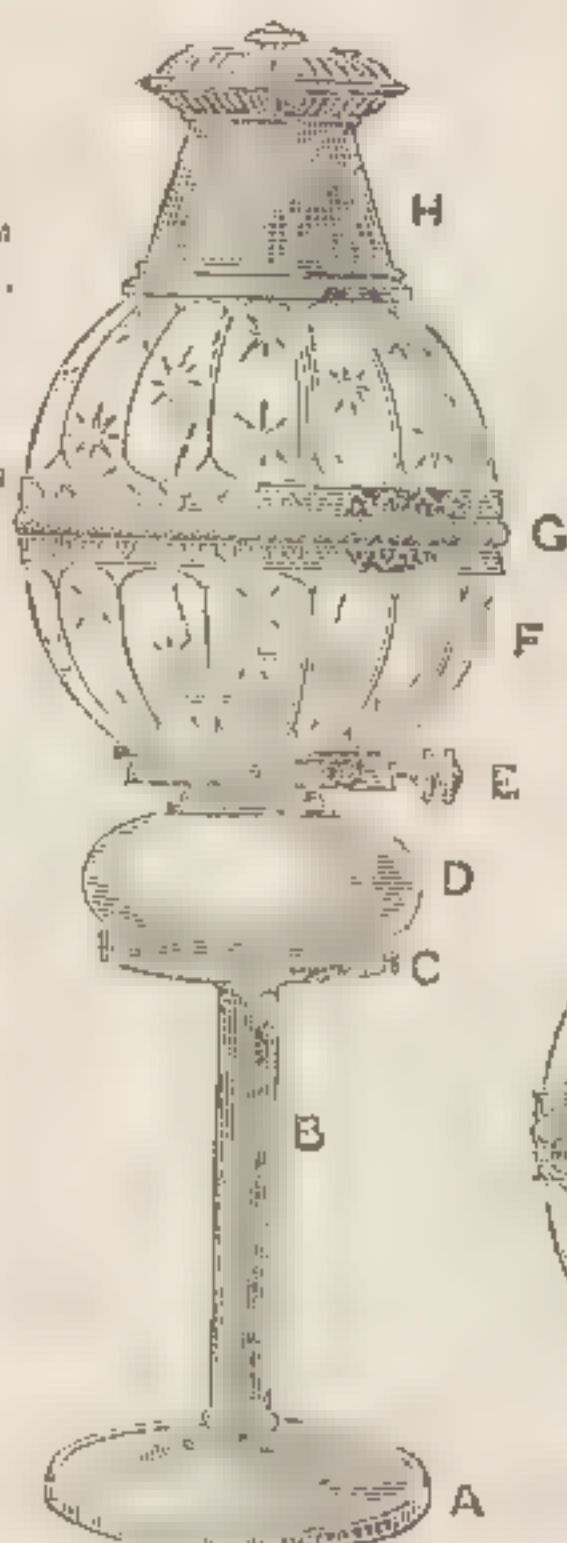
LAMPS AND CHANDELIERS (continued).

PETROLEUM LAMPS.

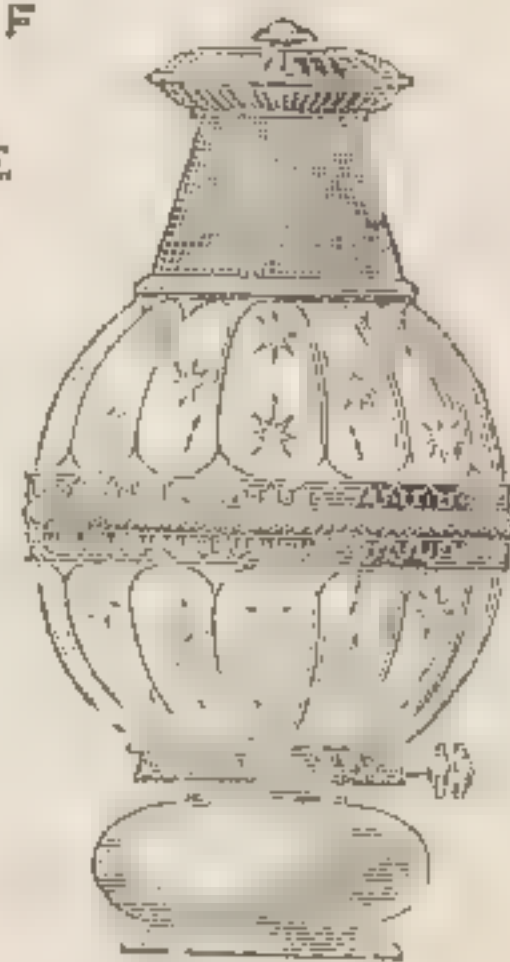


LENGTH, 12 IN, WIDTH, 9½ IN, HEIGHT, 6 IN

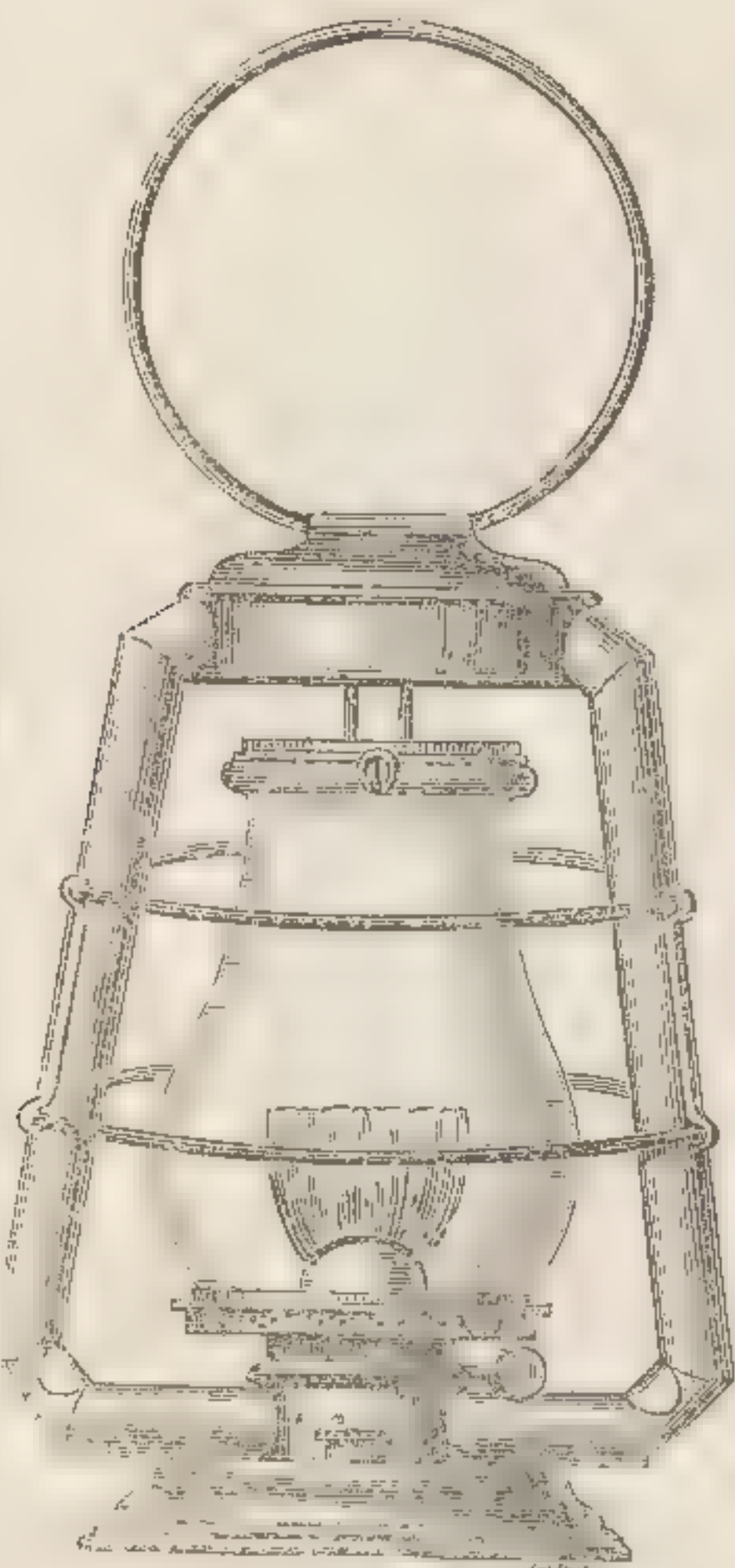
- A. BASE.
- B. PILLAR.
- C. PLATFORM.
- D. OIL VASE.
- E. BURNER.
- F. DISH.
- G. BAND.
- H. PROTECTOR.



AS COLUMN LAMP
1200.



AS READING LAMP



2329.



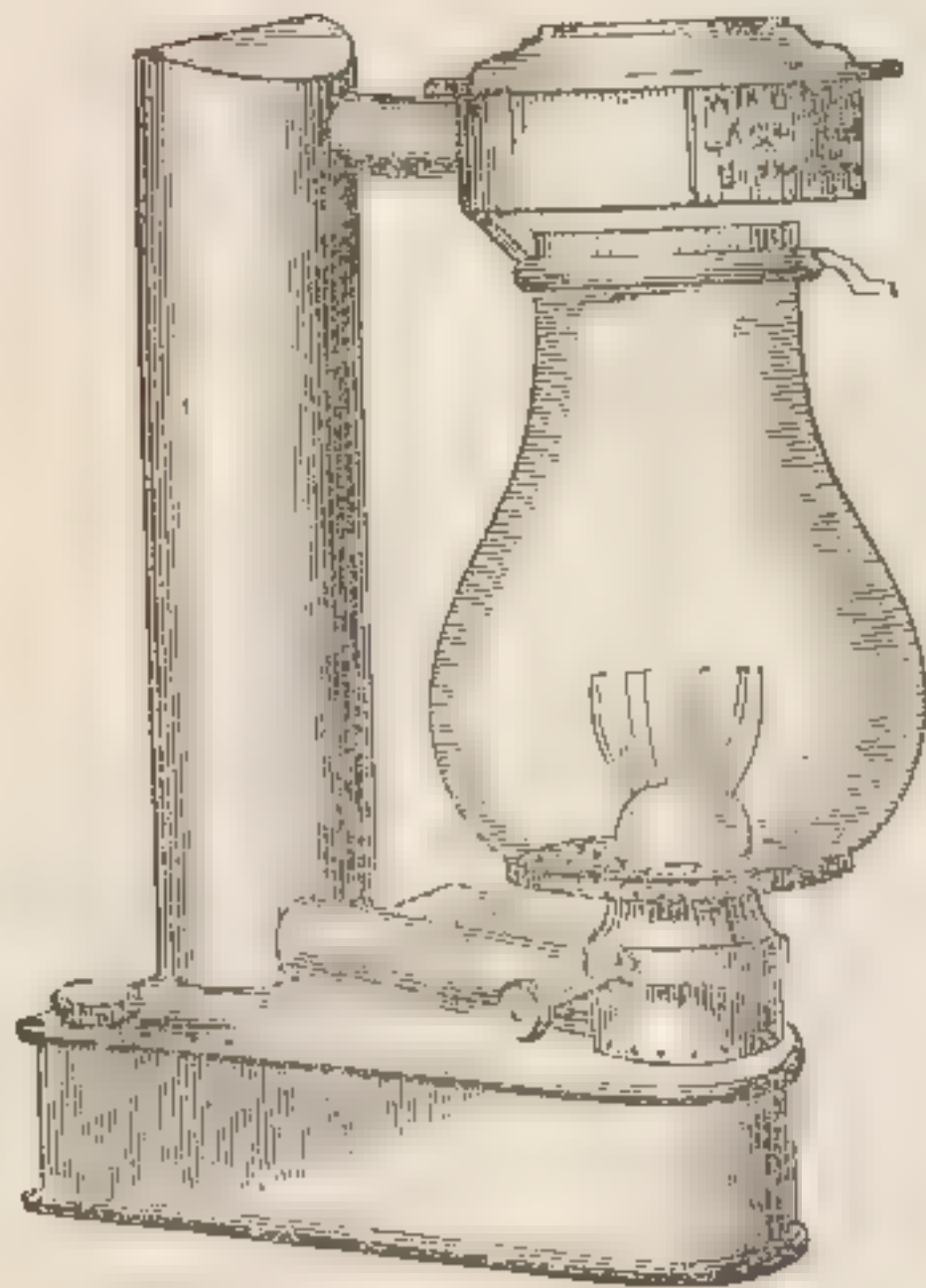
D. P. 1689.



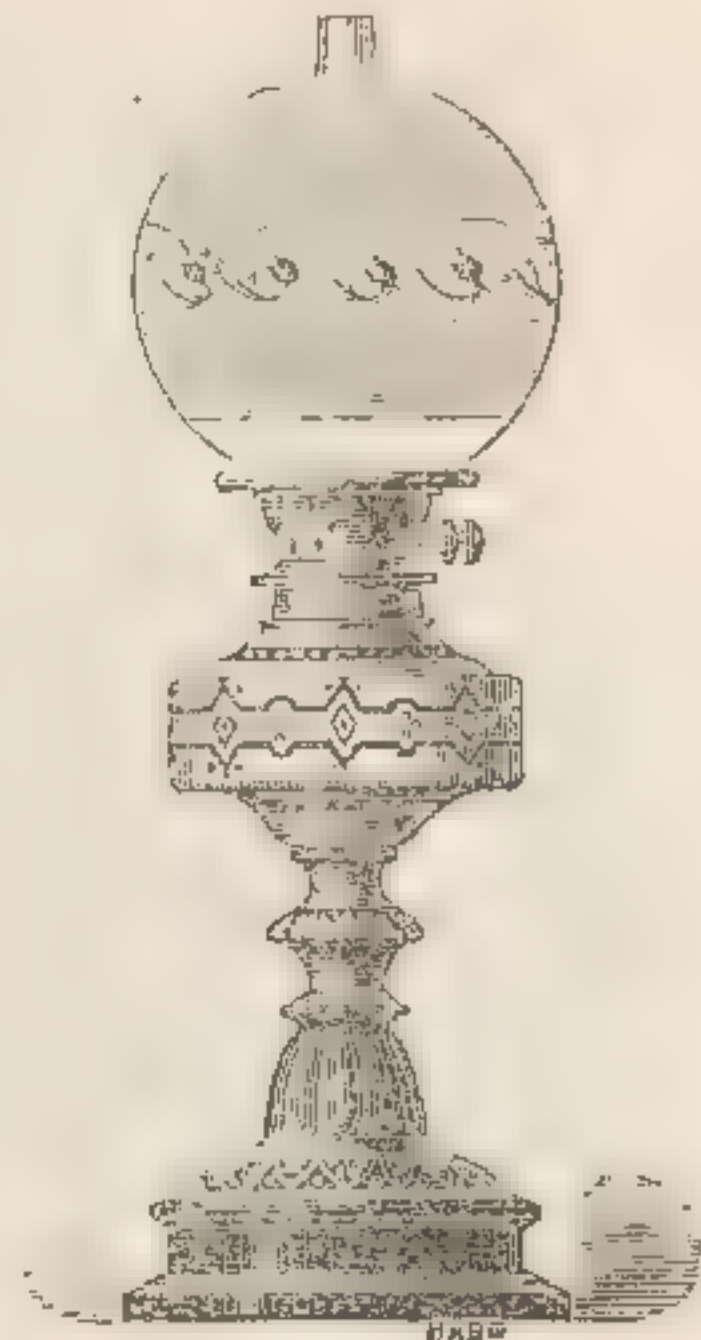
D. P. 2026.

LAMPs AND CHANDELIERS (continued).

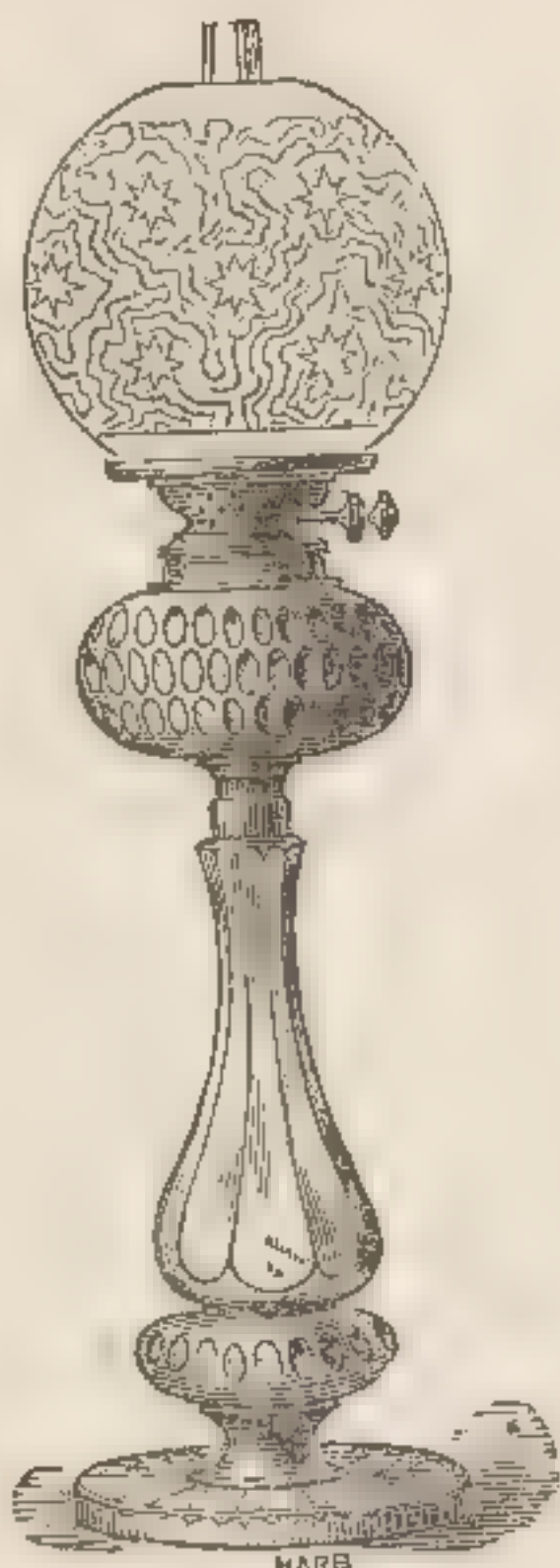
PETROLEUM LAMPS.



2384.



2283.



2281.



2316.



2315.

LAMPS AND CHANDELIERS (continued).

PETROLEUM LAMPS.

The following are all fitted with Hinks' Duplex Burners, and can be adapted for the ordinary Punkah Protector or the "Hurricane" Protector.

All Protectors, Shades, and Chimneys are charged extra, unless stated to the contrary. For Prices see below.

2366	Marble base, china body, decorated ...	Height 15 in.	18/6 each.
2352	Antique Bronze ...	Height 12½ "	30/- "
P 2037	Lacquered or bronzed stand, cut crystal vase ...	Height 11 in.	11/- "
HP 1983	Cut glass, 1½ in. burner ...	Height 18½ "	60/- "
	Shown with Hurricane Protector.		
HP 1982	Similar to above, with 1 in. burner...	Height 16 "	40/- "
1200	"India Punkah" Camp, or Travelling Lamp, with box, shade, &c., complete ...		80/- "
	This Lamp gives a light equal to 26 sperm candles, and cannot be extinguished by the strongest wind. It is perfectly free from smoke, smell, or danger in calm or storm.		
2329	Lantern. Tin, bronze tubular, ⅝ in. chimneyless burner ...	Height 11 in.	4/6 "
DP 1689	Cut crystal plated burner and mounts...	Height 18 in.	61/6 "
DP 2026	Ormolu or bronzed stand, cut crystal vase	Height 21 in.	47/- "
DP 1686	Similar design ...	Height 20 in.	42/- "
2384	Hurricane Back Lamp ⅝ in. burner ...	Height 12 in.	4/- "
1852	Bronze Tin Wall Lamp, plated reflector ...		7/- "
2283	Marble base, ormolu or bronze pillar, china vase, decorated ...	Height 14 in.	13/- "
2281	Bronze pillar, cut crystal vase ...	Height 18 in.	22/6 "
2316	Marble base, china body and vase, decorated	Height 17 in.	22/6 "
2315	Cut Crystal Lamp, plated burner ...	Height 19 in.	30/- "

BEST ANNEALED CHIMNEYS for the foregoing Lamps.

Slip Burner, ½ in.	...	2/-	doz.
Ditto ½ in. cylindrical form	...	2/6	"
American Burner, ½ in. flange	...	2/6	"
Cylinder Burner, ½ in. flange	...	6/-	"
American Burner, ⅝ in. flange	...	3/6	"
Slip Burner, ⅝ in. or ¾ in. conical form	...	3/6	"
Cylinder Burners, ⅝ in., ¾ in., and 1 in.	...	7/-	"
Slip Burners, 1 in.	...	7/-	"
American Burners, 1 in. flange	...	4/6	"
Slip Burners, 1 in. conical form	...	4/6	"
Ditto 1 in. cylindrical form	...	4/6	"
Oval or flat-sided, 1 in. duplex	...	7/-	"
Globes as shown on Lamp 2366, 7½ in. etched	...	42/-	"
Ditto ditto 2352, cut and roughed	...	44/-	"
Ditto ditto P 2037, roughed, 5 in. 8/- 6 in. 10/6 7½ in.	...	16/-	"
Ditto ditto Plain opal	...	24/-	"
Cut Lotus Shade as shown on Lamp HP 1983 6 in. 48/- 7 in.	...	54/-	"
Top and Bottom Dishes, as shown on Lamps DP 1689 and 2026 with cut stars	...	2/6 each.	
	Roughed 1,9. Bands 1/- each.		
Under Dishes for Hurricane Lamp	...	4/- 6/- 8/-	"
Globes as shown on Lamp 2283	6 in. 21/- 7 in.	27/-	doz.
Ditto ditto 2281 and 2316, etched 7½ in.	...	42/-	"
Ditto ditto 2315 ditto	...	32/-	"

LAMPS AND CHANDELIERS (continued).

							6 in.	7 in.
Globes, Grecian, clear	...	...	...	...	...	...	—	24/- doz.
Ditto ditto roughed	...	...	...	...	...	...	18/-	24/- "
Ditto, cut stars ditto	...	...	...	...	...	...	20/-	26/- "
Ditto, cut lines ditto	...	...	...	...	...	...	—	30/- "
Ditto, Melon ditto	...	...	...	...	...	...	12/-	15/- "
Ditto ditto, cut stars	...	...	...	...	...	...	20/-	24/- "
Punkah Protectors, lacquered or bronzed	...	...	...	...	...	...	...	3/4 each.
Ditto ditto silver plated	...	...	...	...	...	...	...	4/4 "
	7/6	9/6	10/8	12/9	14/-	17/6	21/6	per gross yards.
Lamp wick	...	...	...	...	...	...	...	inch.
Heavier quality for Hinks' Burners, 1/- per gross extra.								
Lamp Scissors, 15/- and 20/- doz.								

The following are cheaper patterns, suitable for export in large quantities.

ENGLISH AND AMERICAN BURNERS.

					Burner.	Height.	Per doz.
Hand Lamps, glass	...	...	...	...	1/2 in.	...	5/6
Ditto ditto with handle	...	...	...	...	"	...	6/9
Ditto ditto or opal, with handle	...	...	...	...	"	...	9/-
Ditto ditto ditto ditto	...	...	...	...	"	...	11/-
Table Lamps, bronzed pillar, opal vase	...	...	...	...	"	8 in.	11/-
Ditto, ditto ditto	...	...	...	...	3/4 in.	9 in.	14/6
Ditto, bronzed or lacq'd brass pillar, opal vase...	...	...	...	...	"	8 1/2 in.	19/-
Ditto, bronzed pillar and vase	...	...	...	...	1 in.	11 in.	19/-
Ditto, bronzed or lacq'd brass pillar, opal vase...	...	...	...	...	"	10 in.	22/-
Ditto, ditto ditto ditto	...	...	...	...	"	12 1/2 in.	26/6
Ditto, bronzed pillar, opal vase	...	...	...	...	"	12 1/2 in.	37/6
Ditto, bronzed or lacquered brass pillar, opal vase	...	...	...	...	3/4 in.	"	44/6
Ditto, bronzed pillar, opal vase	...	...	...	...	1 in.	16 in.	59/-
Ditto, bronzed or lacquered brass pillar, opal vase	...	...	...	...	"	15 in.	69/6
Ditto, ditto ditto, cut crystal vase	...	...	...	...	"	13 in.	82/-
To carry Globe holders.							1 inch Burners.
Chimneys, Annealed, flange	...	...	...	per doz.	1/2 in.	3/4 in.	2/-
Ditto ditto ditto roughed	...	...	...	"	2/-	2/4	3/-
Ditto ditto slip large bulge	...	...	...	"	1/8	1/10	2/6
In quantities. If in cases of 25 doz. of one size, 1d. per doz. less, and cases free.							
Globes, roughed	...	...	...	per doz.	6 in.	7 in.	
Ditto, cut	...	...	...	"	7/3	10/-	
Ditto, melon roughed	...	...	...	"	11/-	14/3	
Ditto, ditto cut	...	...	...	"	11/-	15/6	
Ditto, etched	...	...	...	"	16/6	25/-	
	...	...	...	"	20/6	24/6	

BENZOLINE OR SPIRIT SPONGE LAMPS,

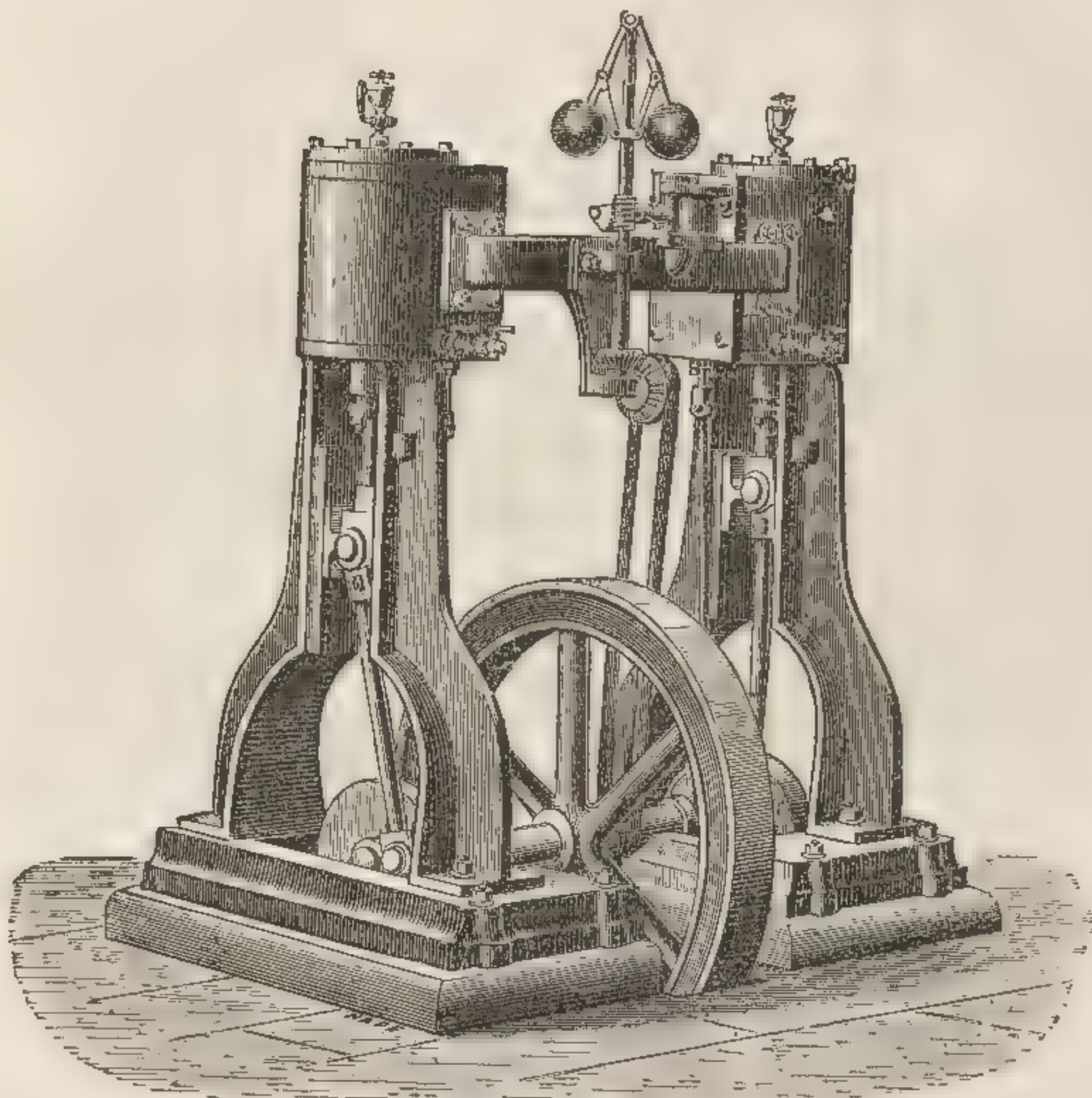
With Caps, but without racks.
Racks, 1/- per doz. extra.

Burnished Tin Hand Lamps	...	...	...	...	4/-	dozen.
Ditto ditto larger	...	...	...	...	7/-	"
Ditto ditto with tray bottom	...	...	...	...	9/-	"
Ditto ditto peg burner	...	...	...	...	4/-	"
Ditto ditto ditto larger	...	...	...	...	5/6	"
Burnished Tin Pillar Lamp	...	...	...	...	7/6	"
Brass Lacquered Hand Lamp	...	...	...	...	4/9	"
Ditto ditto larger	...	...	...	...	6/6 to 8/-	"
Brass Lacquered Pillar Lamp	...	...	...	...	12/-	"
Ditto ditto	...	...	...	...	16/-	"
Wick for Spirit Lamps, 6/- gross yards.					Ditto thick, 10/-	

STEAM ENGINES.

DOUBLE-CYLINDER ENGINE,

3 TO 60 HORSE-POWER.



Nominal Horse-power. If indicated when working at 50 lbs. pressure, these powers are more than doubled.	3	4	6	8	12	16	20	25
Diameter of each Cylinder ...	3½in.	4½in.	5¾in.	6¾in.	8in.	9½in.	10½in.	11½in.
Length of each Stroke	6in.	7in.	8½in.	10in.	14in.	16in.	18in.	20in.
Revolutions per minute	240	205	170	144	103	90	85	80
Diameter of Fly-wheel.....	2ft.4in.	2ft.11in.	3ft.6in.	4ft.	5ft.	5ft.6in.	6ft.	7ft.6in.
Width of Face „	3½in.	4in.	5in.	5in.	6in.	7in.	8in.	8in.
Price	£50.	£60.	£74.	£88.	£132.	£176.	£220.	£275.

Holding-down Bolts and Plates are charged extra. Packing for shipment averages 5 per cent.

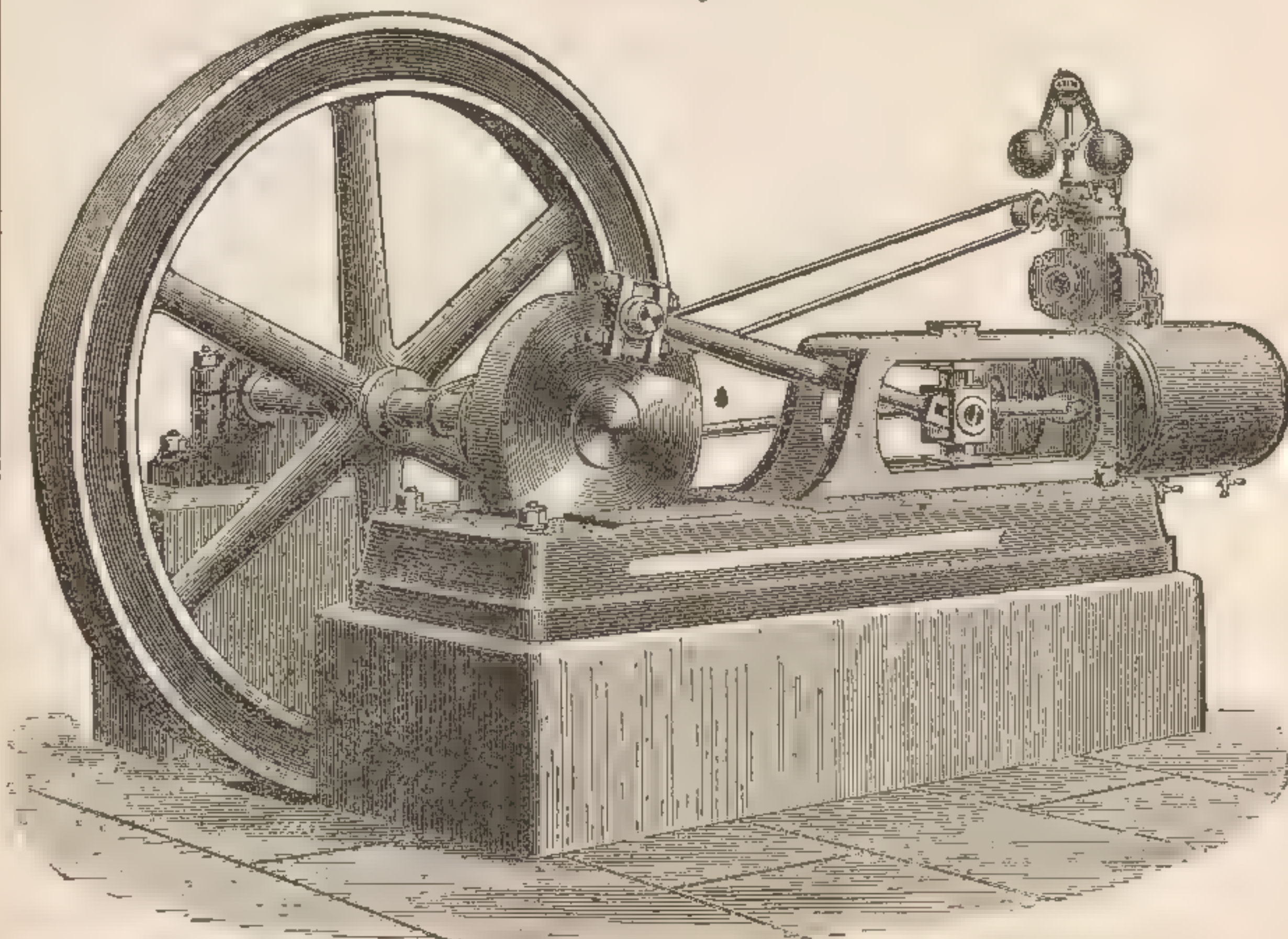
HORIZONTAL ENGINES in pairs may be had 36, 50, and 60-Horse power in addition to the above sizes.

STEAM ENGINES (continued).

HORIZONTAL ENGINE,

1 TO 30 HORSE-POWER.

The various parts are made to Standard Gauges, and duplicate parts can be had at any time without delay.



Nominal Horse-Power. If indicated when working at 50 lbs. pressure, these powers are more than doubled.				*1	2	3	4	6	8
Diameter of Cylinder	...	...	...	3in.	4½in.	5¾in.	6¾in.	8in.	9½in.
Length of Stroke	...	...	...	5in.	7in.	8½in.	10in.	14in.	16in.
Diameter of Fly Wheel	...	...	...	2ft. 3in.	2ft. 4in.	2ft. 11in.	3ft. 6in.	4ft. 6in.	5ft.
Width of Face	...	...	...	17in.	3½in.	4in.	5in.	5in.	6in.
Diameter of Shaft	...	...	...	1½in.	1½in.	2½in.	2½in.	2½in.	3in.
" " Steam Pipe	...	...	...	½in.	¾in.	1in.	1½in.	1½in.	2in.
" " Exhaust Pipe	...	...	...	¾in.	1in.	1½in.	1½in.	2in.	2½in.
Revolutions per minute	...	...	...	288	205	170	144	103	90
Approximate Weights	...	...	...	2½ cwt.	5½ cwt.	10 cwt.	15½ cwt.	24 cwt.	35 cwt.
PRICE OF—									
Engine only	...	...	...	£20.	£30.	£37.	£44.	£66.	£88.
Feed-pump worked by separate Eccentric	...	...	...	...	£3 15s.	£4.	£4 15s.	£5 10s.	£7 15s.
† Engine, Boiler, Feed-pump, & Fittings	...	...	...	£50.	£63.	£90.	£110.	£150.	£185.
Nominal Horse-Power. If indicated when working at 50 lbs. pressure, these powers are more than doubled.				10	12	18	25	30	
Diameter of Cylinder	...	...	...	10½in.	11½in.	13½in.	16in.	18in.	
Length of Stroke	...	...	...	18in.	20in.	27in.	32in.	36in.	
Diameter of Fly Wheel	...	...	...	5ft. 6in.	6ft.	7ft. 6in.	9ft.	11ft.	
Width of Face	...	...	...	7in.	8in.	8in.	9in.	9in.	
Diameter of Shaft	...	...	...	3½in.	4in.	4½in.	5in.	6in.	
" " Steam Pipe	...	...	...	2½in.	3in.	3½in.	4in.	4½in.	
" " Exhaust Pipe	...	...	...	3in.	3½in.	4in.	4½in.	5in.	
Revolutions per minute	...	...	...	85	80	70	60	50	
Approximate Weights	...	...	...	48 cwt.	63 cwt.	90 cwt.	110 cwt.	140 cwt.	
PRICE OF—									
Engine only	...	...	...	£110.	£130.	£180.	£225.	£270.	
Feed-pump worked by separate Eccentric	...	...	...	£9.	£10.	£12 10s.	£14 10s.	£16.	
† Engine, Boiler, Feed pump, & Fittings	...	...	...	£225.	£250.	£360.	£450.	£540.	

* The One-Horse-power Engine has no Governors. The Fly Wheels, to 10-Horse-power, are all turned. Above that size, if turned, are charged extra. Holding-down Bolts and Plates are charged extra.

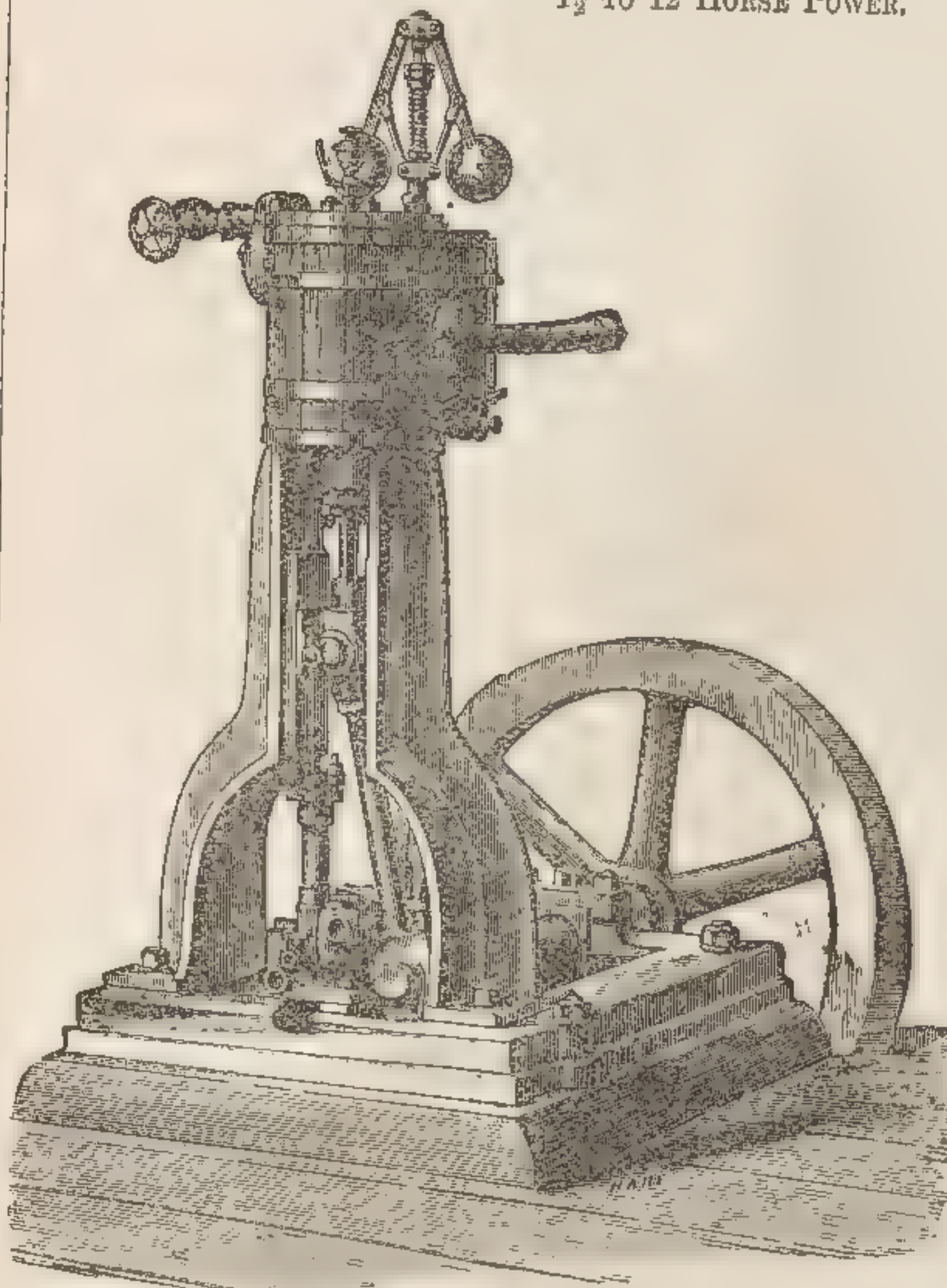
Packing for Shipment averages 5 per cent.

† The Boilers to 12-Horse-power are egg-ended, above 12-Horse-power they are Cornish. Both are supplied with all Fittings.

STEAM ENGINES (continued).

INVERTED VERTICAL STEAM ENGINE (NEW DESIGN.)

1½ TO 12 HORSE POWER.



These Engines occupy very little space and are *self-contained* requiring no additional Bearing for the Crank-Shaft beyond those provided in the Bed-Plate. Great steadiness is obtained on account of the Crank-Shaft being within a few inches of the ground upon which the Engine is fixed.

The Cylinder, Slide Chest, Lower Cylinder Cover, Guides, and Vertical Frame, are made in one piece, thereby greatly reducing the number of joints.

The Cylinder, Lower Cylinder Cover, and Guides, are bored at the same time, thus ensuring perfect accuracy. An exception is made in the case of larger sizes, which have one additional joint only, namely, that between the Cylinder and the Frame.

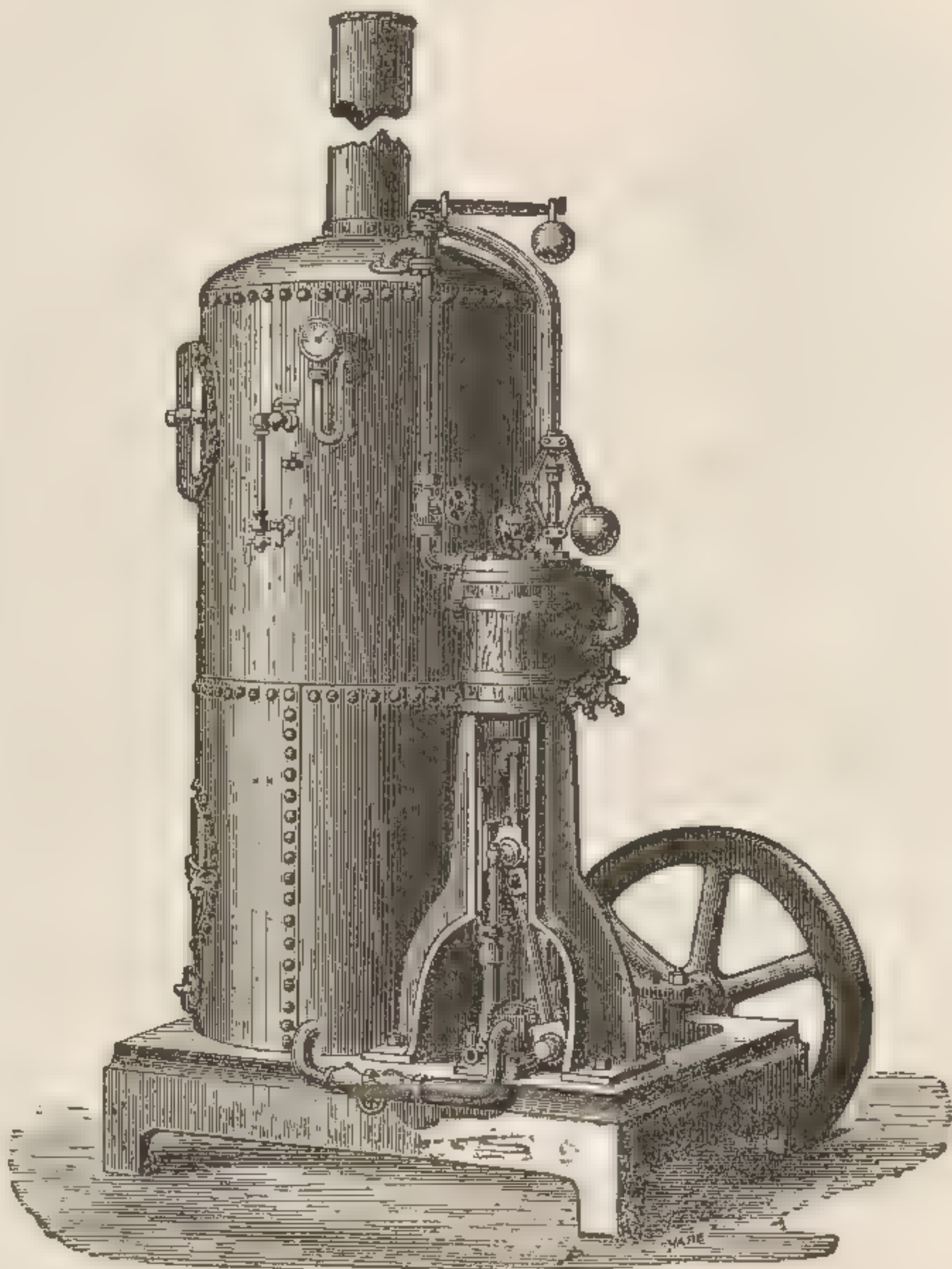
Nominal Horse-power. If indicated when working at 50lb. pressure, these powers are more than doubled.	1½	2	3	4	6	8	10	12
Diameter of Cylinder ...	3½in.	4½in.	5½in.	6½in.	8in.	9½in.	10½in.	11½in.
Length of Stroke ...	6in.	7in.	8½in.	10in.	14in.	16in.	18in.	20in.
Diameter of Fly Wheel ...	2ft. 2in.	2ft. 4in.	2ft. 11in.	3ft. 6in.	4ft. 6in.	5ft.	5ft. 6in.	6ft.
Width of Face of Fly Wheel	2½in.	3½in.	4in.	5in.	5in.	6in.	7in.	8in.
Diameter of Shaft...	1½in.	1¾in.	2½in.	2½in.	2¾in.	3in.	3½in.	4in.
„ „ Steam Pipe ...	¾in.	¾in.	1in.	1¼in.	1½in.	2in.	2½in.	3in.
„ „ Exhaust Pipe ...	1in.	1in.	1¼in.	1½in.	2in.	2½in.	3in.	3½in.
Revolutions per minute ...	240	205	170	144	103	90	85	80
Approximate Weight of Engine complete ...	5½ cwt.	6½ cwt.	11 cwt.	17 cwt.	23 cwt.	39 cwt.	53 cwt.	65 cwt.
PRICE OF	Engine only ...	£27.	£30.	£37.	£44.	£66.	£88.	£110.
	Feed Pump ...	£2 10s.	£2 15s.	£3	£3 10s.	£4 10s.	£5 15s.	£7.
	Engine, Boiler, Feed-pump and Fittings ...	£55.	£63.	£90.	£110.	£150.	£185.	£250

Holding-down Bolts and Plates are charged extra. Packing for Shipment, averages 5 per cent.

STEAM ENGINES (continued).

ENGINE AND BOILER COMBINED,

1 TO 12 HORSE-POWER.



Nominal Horse-Power.	*1	1½	2	3	4	6	8	10	12
Diam. of Cylinder..	3in.	3½in.	4½in.	5¾in.	6¾in.	8in.	9½in.	10½in.	11½in.
Length of Stroke...	5in.	6in.	7in.	8½in.	10in.	14in.	16in.	18in.	20in.
Diam. of Fly-wheel	2ft. 3in.	2ft. 2in.	2ft. 4in.	2ft. 11in.	3ft. 6in.	4ft. 6in.	5ft.	5ft. 6in.	6ft.
Width of Face of Fly-wheel.....	1½in.	2¾in.	3½in.	4in.	5in.	5in.	6in.	7in.	8in.
Revolu. per minute	288	240	205	170	144	103	90	85	80
Approximate weight	9 cwt.	15 cwt.	25 cwt.	36 cwt.	50 cwt.	67 cwt.	80 cwt.	90 cwt.	100 cwt.
Price of Engine, Boiler, & Feed-pump	£50.	£60.	£70.	£92.	£110.	£145.	£175.	£220.	£250.

* The One-Horse power is attached to the side of the Boiler.

Packing for Shipment averages 5 per cent.

STEAM ENGINES (continued).

PORTABLE STEAM ENGINES,

WITH BOILERS,

FITTED WITH SINGLE SLIDE VALVE, SINGLE FEED PUMP, AND BRANCH PIPE FROM EXHAUST FOR HEATING FEED WATER.

Horse Power ...	SINGLE CYLINDERS.				DOUBLE CYLINDERS.				
	4	6	8	10	10	12	14	16	20
PRICE, with usual accessories.	£ 150 0	£ 180 0	£ 210 0	£ 240 0	£ 265 0	£ 305 0	£ 340 0	£ 375 0	£ 450 0
Set of extra Wearing Parts ...	12 0	14 0	16 10	19 0	22 10	25 0	30 0	31 10	35 10
Packing for Shipment ...	4 0	6 0	8 0	10 0	10 0	12 0	14 0	16 0	20 0

Larger Fire Boxes if required.

PORTABLE EXPANSION ENGINES,

WITH BOILERS,

FITTED WITH DOUBLE SLIDE VALVES, DOUBLE FEED PUMP, AND FEED WATER HEATER IN SMOKE BOX.

Horse Power ...	SINGLE CYLINDERS.			DOUBLE CYLINDERS.				
	6	8	10	10	12	14	16	20
Price, with usual accessories ...	£ 210 0	£ 240 0	£ 270 0	£ 300 0	£ 350 0	£ 390 0	£ 425 0	£ 510 0
Set of extra Wearing Parts ...	21 10	24 0	25 0	33 0	35 0	38 0	42 0	48 0
Packing for Shipment ...	6 0	8 0	10 0	10 0	12 0	14 0	16 0	20 0

These Engines are so constructed as to burn Wood equally as well as Coal.

FIXED STEAM ENGINES,

ON LOCOMOTIVE BOILERS,

FITTED WITH SINGLE SLIDE VALVE, SINGLE FEED PUMP, AND BRANCH PIPE FROM EXHAUST FOR HEATING FEED WATER.

Horse Power ...	SINGLE CYLINDERS.				DOUBLE CYLINDERS.				
	4	6	8	10	10	12	14	16	20
PRICE, with usual accessories.	£ 140 0	£ 170 0	£ 195 0	£ 225 0	£ 250 0	£ 285 0	£ 320 0	£ 355 0	£ 425 0
Set of extra Wearing Parts ...	12 0	14 0	16 10	19 0	22 10	25 0	30 0	31 10	35 10
Packing for Shipment ...	4 0	6 0	8 0	10 0	10 0	12 0	14 0	16 0	20 0

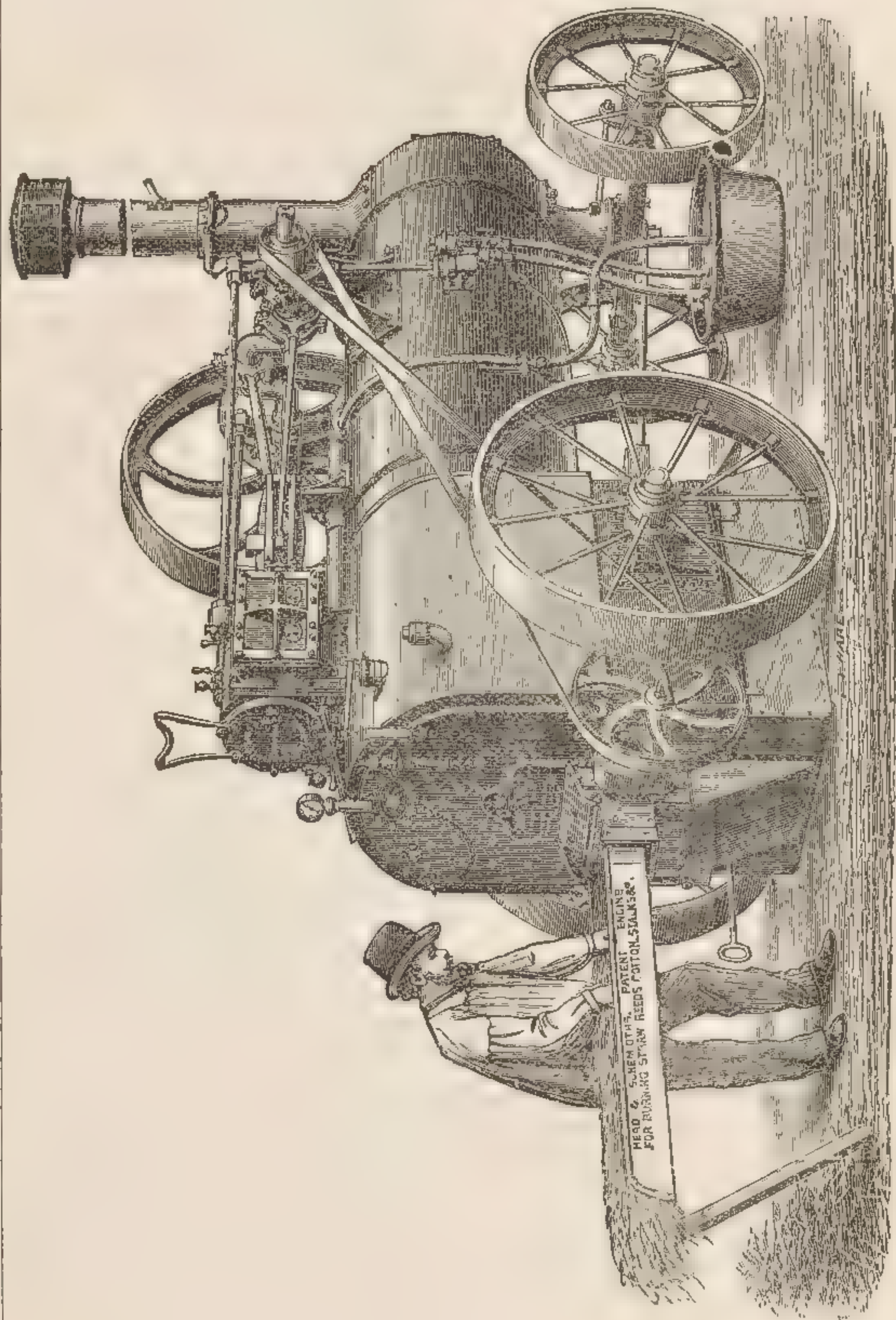
FIXED EXPANSION ENGINES,

ON LOCOMOTIVE BOILERS,

FITTED WITH DOUBLE SLIDE VALVES, DOUBLE FEED PUMP, AND FEED WATER HEATER IN SMOKE ROOM.

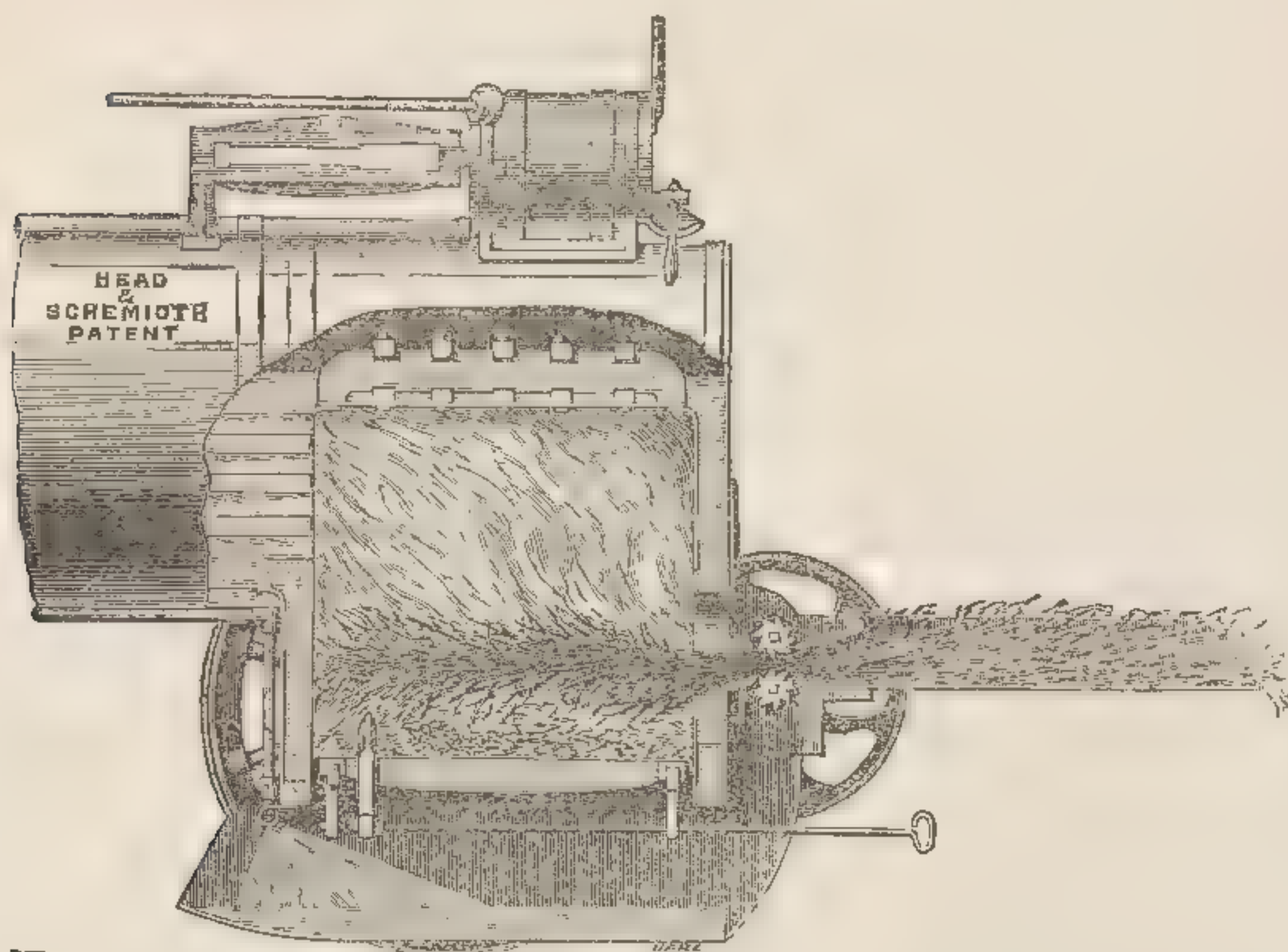
Horse Power ...	SINGLE CYLINDERS.			DOUBLE CYLINDERS.				
	6	8	10	10	12	14	16	20
PRICE, with usual accessories ...	£ 200 0	£ 225 0	£ 255 0	£ 285 0	£ 330 0	£ 370 0	£ 405 0	£ 485 0
Set of extra Wearing Parts ...	21 10	24 0	25 0	33 0	35 0	38 0	42 0	48 0
Packing for Shipment ...	6 0	8 0	10 0	10 0	12 0	14 0	16 0	20 0

STEAM ENGINES (continued).



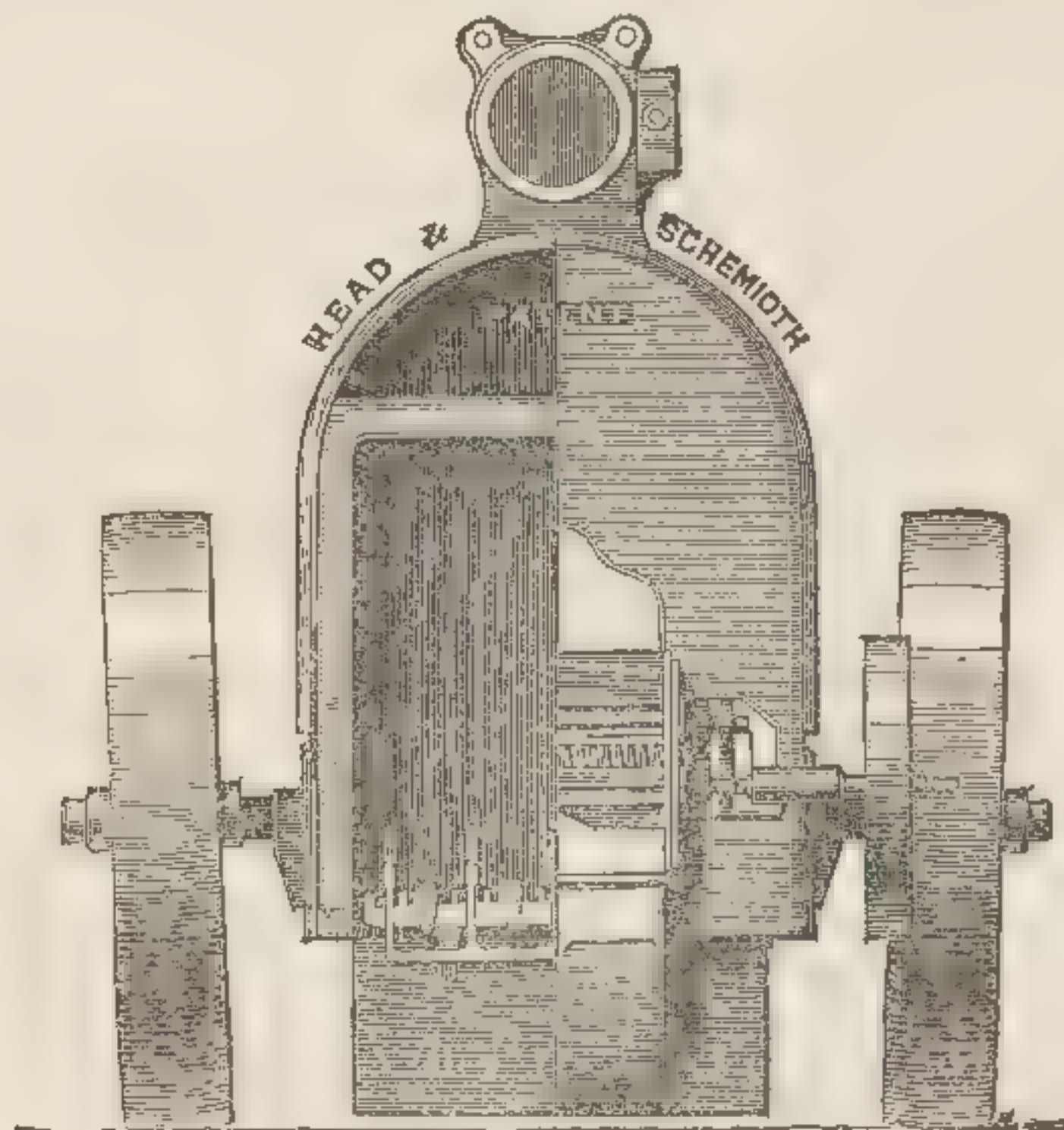
PATENT STRAW-BURNING ENGINE.

STEAM ENGINES (continued).



SECTION OF FIRE BOX OF PATENT ENGINE FOR BURNING VEGETABLE
REFUSE,

Showing System of injecting the Fuel into the Fire Box.



END VIEW OF PATENT ENGINE,

Showing Section of the Grate and Position of the Prickers for keeping the Bars
free from Silica.

STEAM ENGINES (continued).

PORTABLE STEAM ENGINES,

(HEAD & SCHEMIOTH'S PATENT),

For consuming Vegetable Refuse of all kinds, including Straw, Reeds, Brushwood, Maize and Cotton Stalks, also Coal, Wood, Peat, and Sawdust.

These Engines are capable of keeping up steam with straw and every other kind of dry vegetable refuse, as well as with coal and wood. In countries where the latter are scarce, and the former abundant and often of no value, the advantage is manifest. The principle of the boiler is very simple. The drawing shows wherein it differs from those of ordinary construction. The apparatus itself consists of two toothed rollers, turned by hand when steam is being raised, and by a strap from the main shaft when the Engine is in motion. Through these rollers the straw is gradually fed by hand from the trough shown in the drawing. The fuel thus introduced falls into the fire box in a distended form, and each portion is submitted to the action of the flame, producing perfect combustion. To provide the additional heating surface required, the fire box of the Patent Engine is made larger, and a greater number of tubes are employed. A rake, shown in the sectional drawings, is provided to rake off from the bars the slag deposited thereon from time to time, and the ashpan is provided with a perforated tube communicating with the feed pump, which scatters a continual stream of water over the ashes as they fall. The management of the engine presents no difficulty, and a lad or young girl is often employed as feeder. The great advantage is that it will burn *every* kind of fuel. When fitted with the apparatus it will burn straw, reeds, brushwood, megass, cotton stalks, and any dry vegetable refuse. When the apparatus is taken off, and an ordinary fire door substituted (which can be done in less than five minutes), it will burn coal, wood, peat, the lignite coal of Bohemia and New Zealand, and sawdust.

The consumption of straw in this Engine is about 20 lbs. per indicated horse power per hour, and the saving effected by its use has amounted to as much as £2 per diem.

The following figures show the average calorific effect of coal and other products used as fuel:—

1 lb. of Good Coal will evaporate 8 lbs. of water in an ordinary tubular boiler.			
2 lbs. of Dry Peat	"	"	"
2.25 to 2.30 lbs. of Dry Wood	"	"	"
2.75 to 3 lbs. of Cotton Stalks or Brushwood	"	"	"
3.25 to 3.75 lbs. of Wheaten or Barley Straw.	"	"	"

HORSE POWER.	PRICES.		Average Net Weight.	Packing.	
	With usual Accessories.	Set of additional Wearing Parts.		For Apparatus.	For Engine and Apparatus.
4-Horse Power, 1 cylinder	£ 225 0 0	£ 12 0 0	T. 3 C. 2 Q. 0	£ 1 10 0	£ 6 10 0
6 " 1 "	250 0 0	14 0 0	4 10 0	1 10 0	8 10 0
8 " 1 "	280 0 0	16 10 0	5 8 0	1 10 0	10 10 0
10 " 1 "	315 0 0	19 0 0	6 18 0	1 15 0	12 10 0
10 " 2 "	340 0 0	22 10 0	7 0 0	1 15 0	12 10 0
12 " 2 "	385 0 0	25 0 0	7 19 0	1 15 0	14 10 0
14 " 2 "	430 0 0	30 0 0	8 10 0	1 15 0	16 10 0
16 " 2 "	470 0 0	31 10 0	9 5 0	2 0 0	18 10 0
20 " 2 "	550 0 0	35 10 0	10 5 0	2 0 0	22 10 0

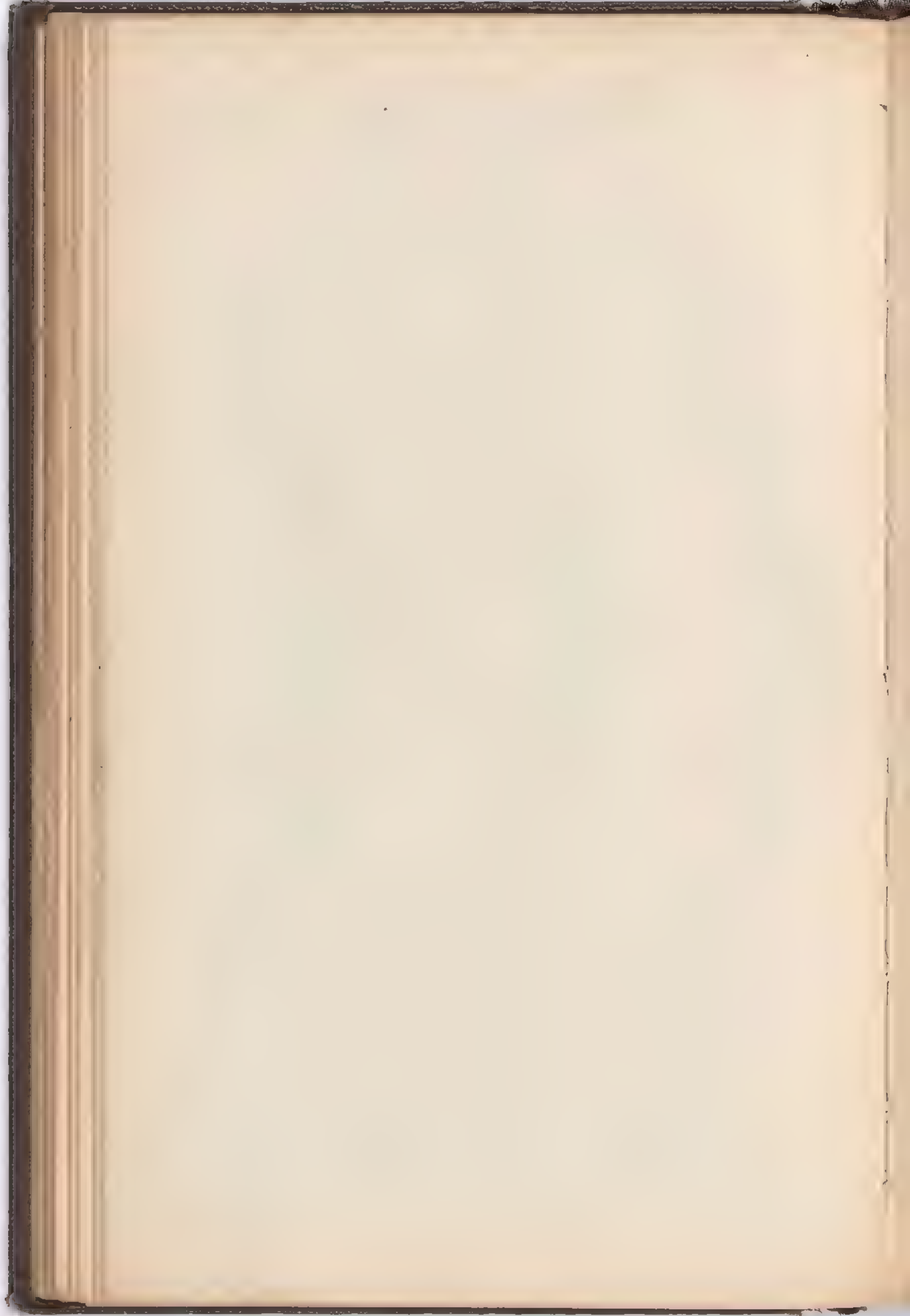
If the Engines are fitted with Expansion Valves, the extra cost will be £1 10s. per Horse Power per Cylinder.

These Prices include a Steam Pressure Gauge, Two Safety Valves, Signal Whistle, Waterproof Cover, Tube Brush, Fire Pricker, Rake, Shovel, Screw Spanners, Oil Can, large Funnel, and spare Gauge Glass; also one Scraper for Tube Plate, four Rakes for Cleaning Bars, Steel Tube Cleaner, Hoe for cleaning Ashpan, and Cast Pan for hot ashes.

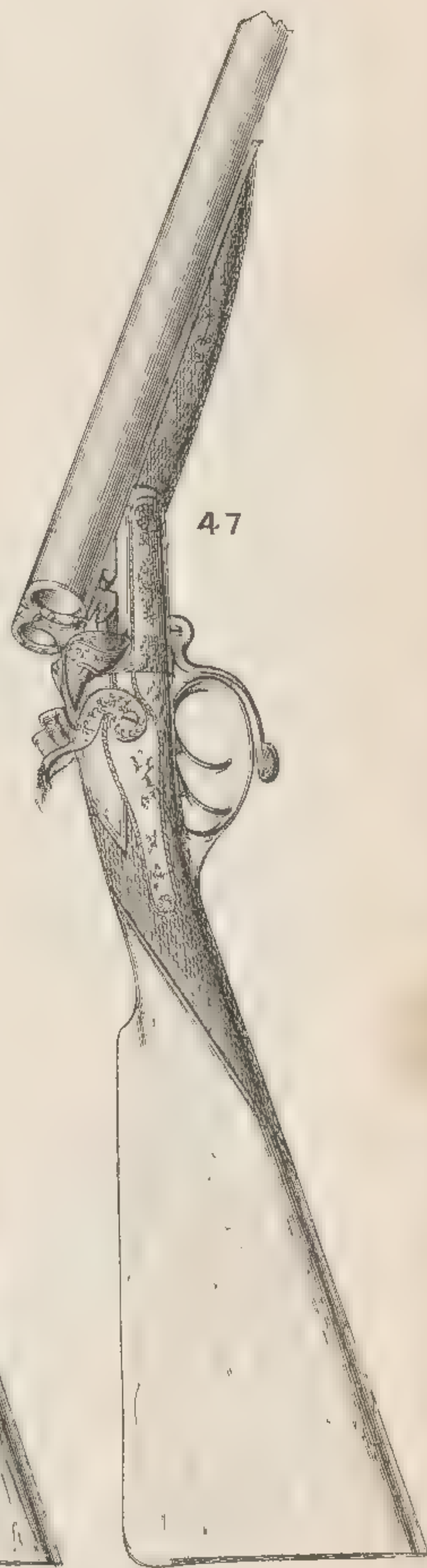
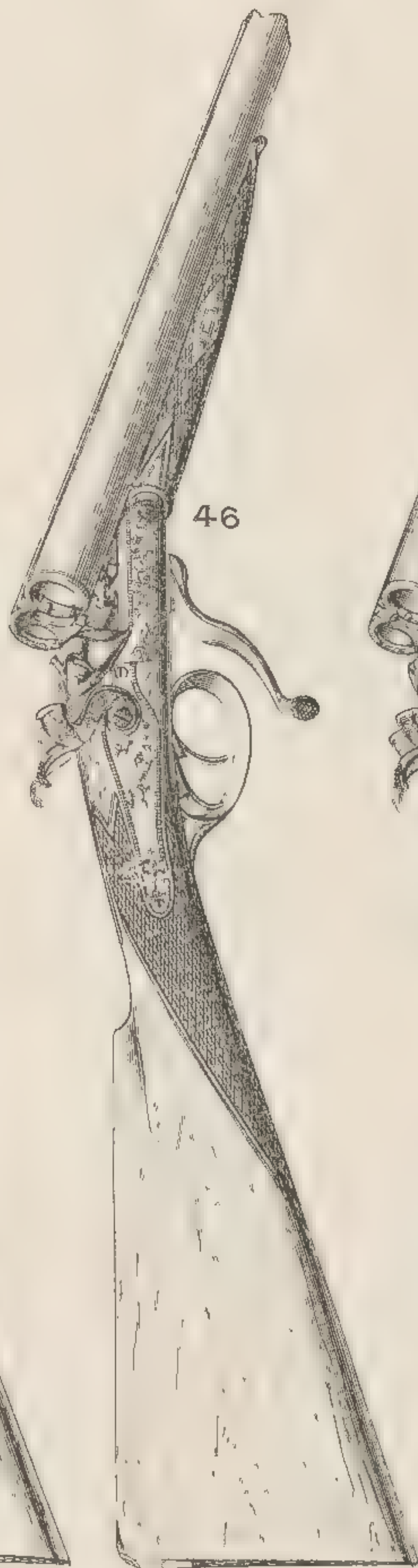
The following additional parts are also supplied with these Engines to enable them to be used with any description of Fuel, viz., an extra Fire Door for use when burning coal, wood, &c., extra Furnace Bars, and two extra Bearer Bars.

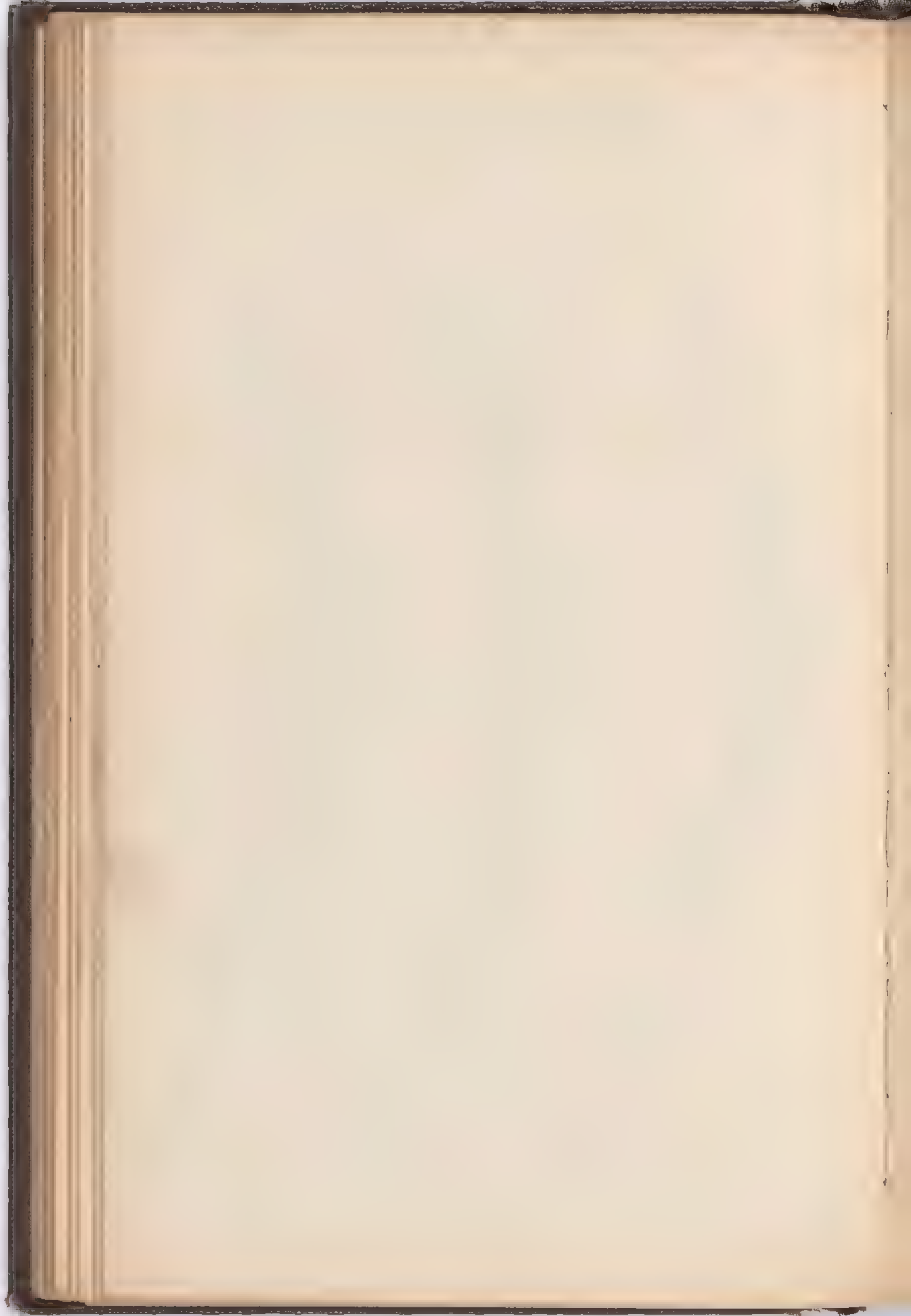
GUNS & PISTOLS



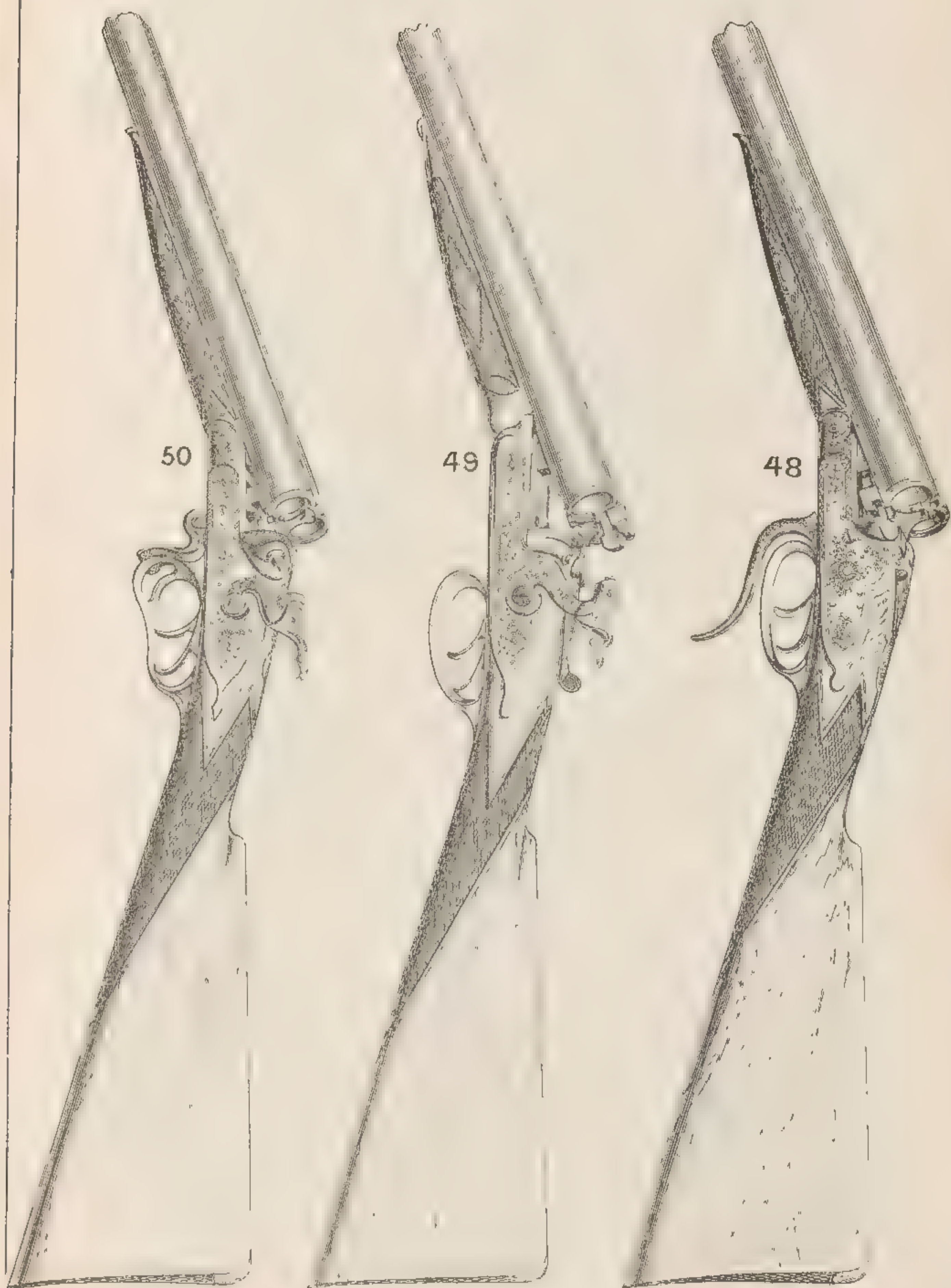


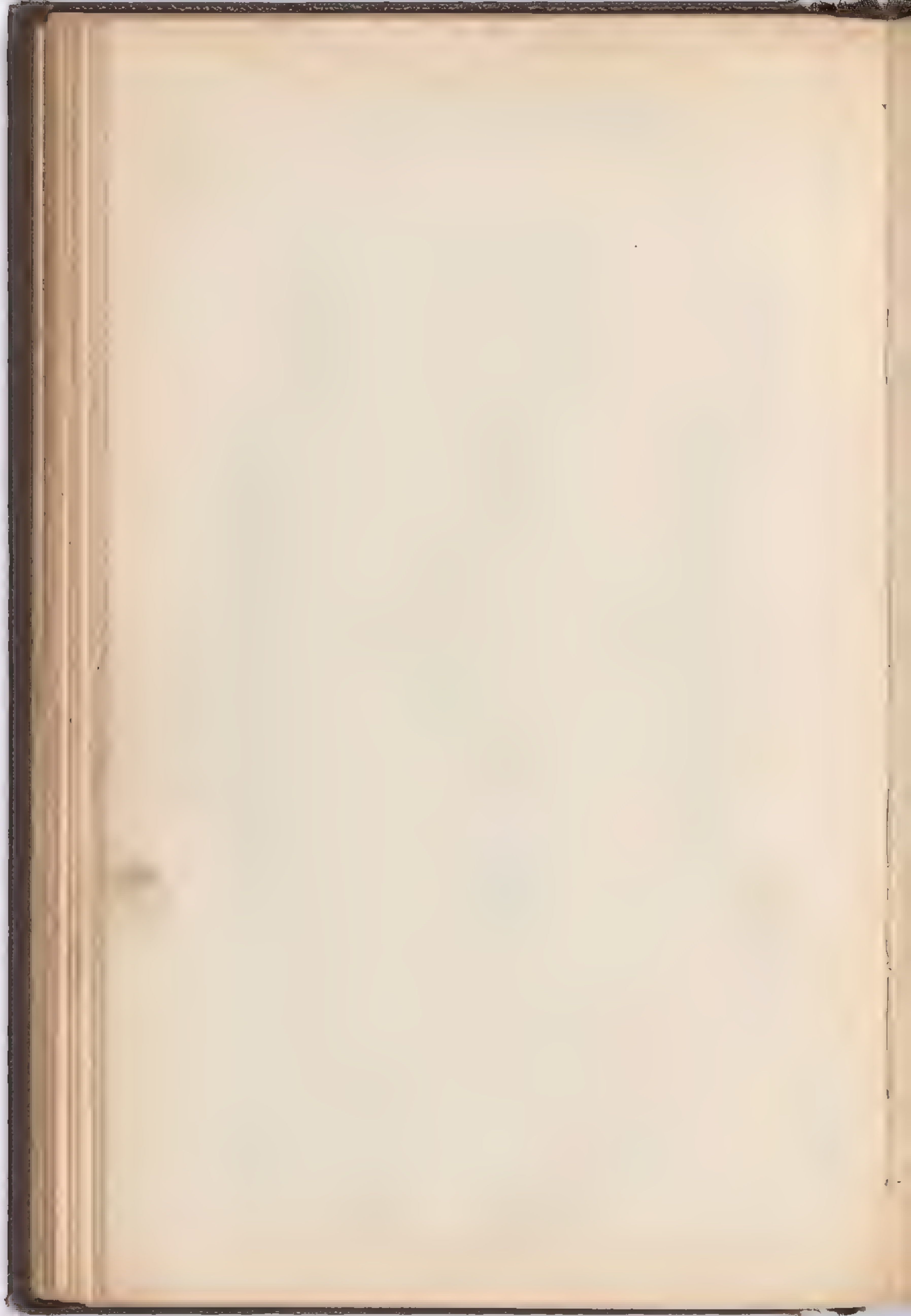
GUNS & PISTOLS





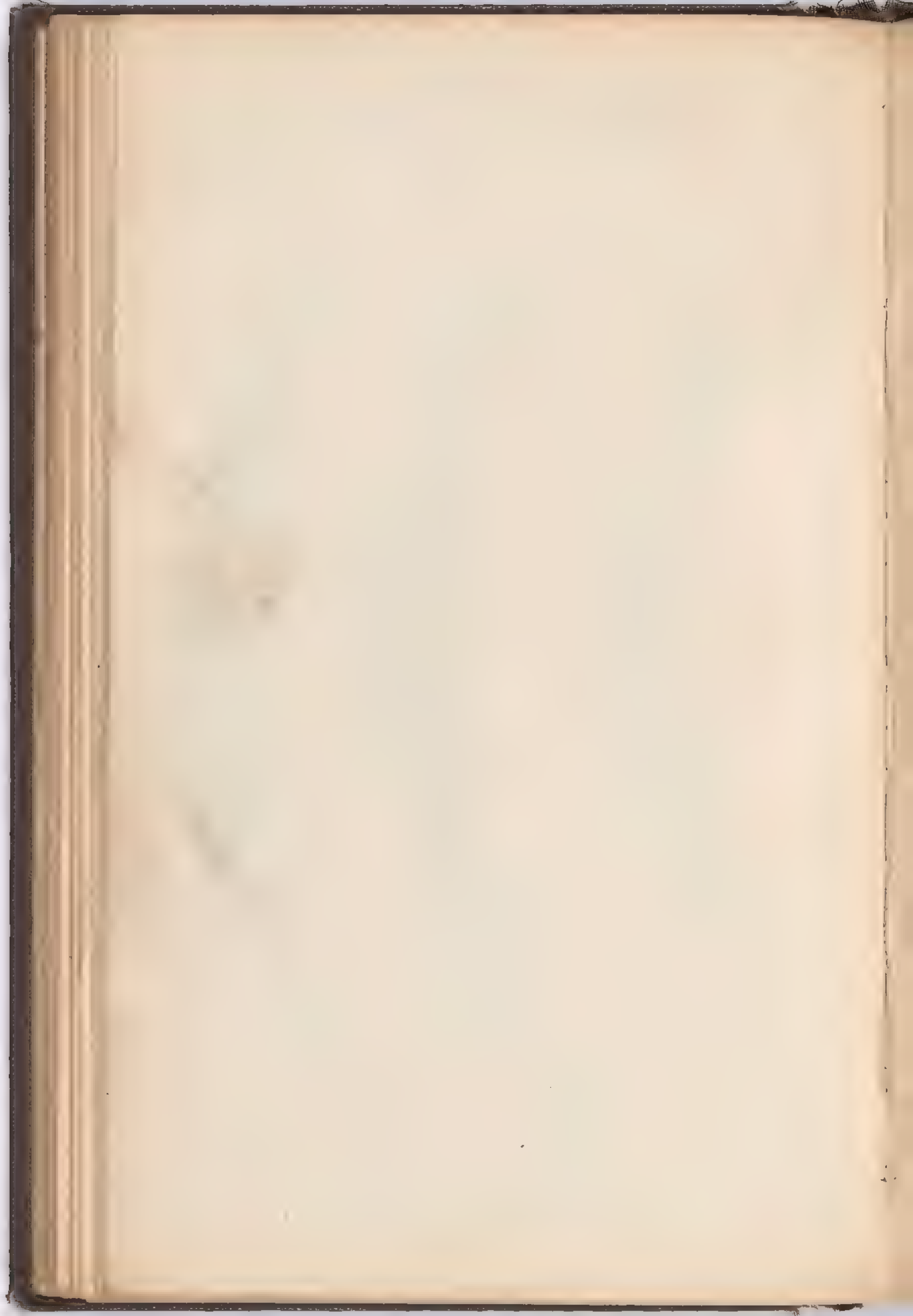
GUNS & PISTOLS



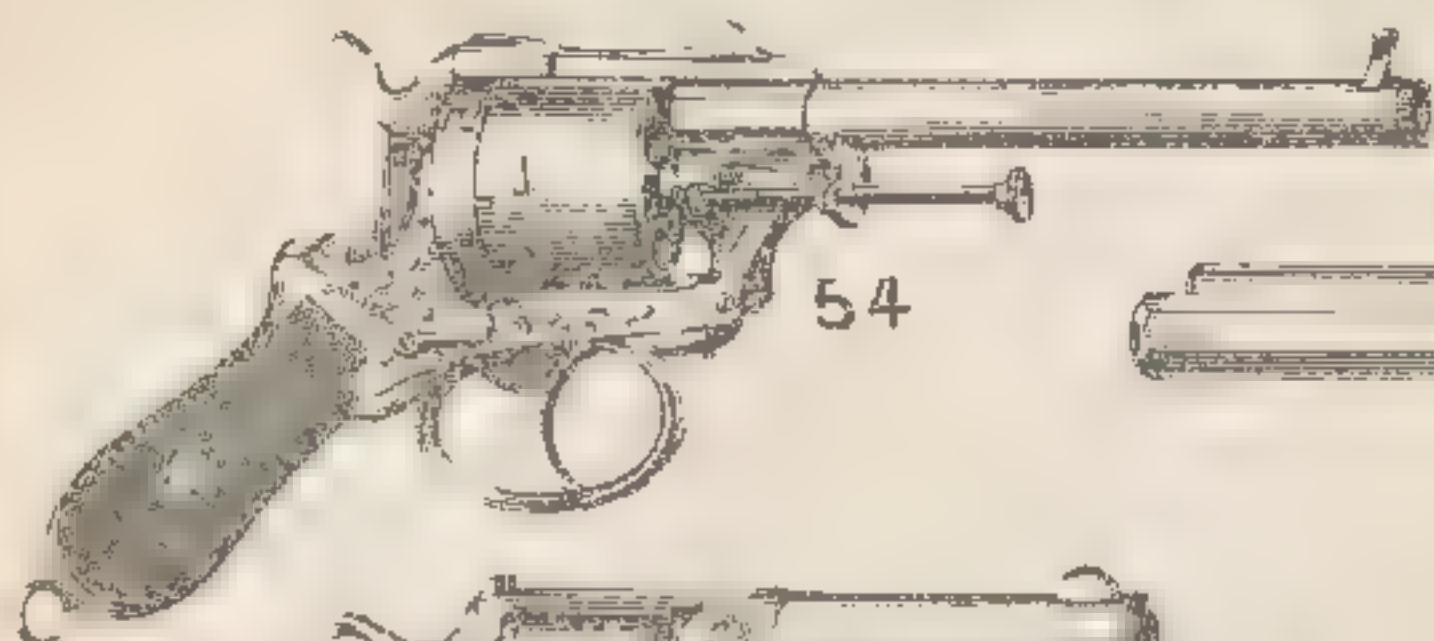


GUNS & PISTOLS





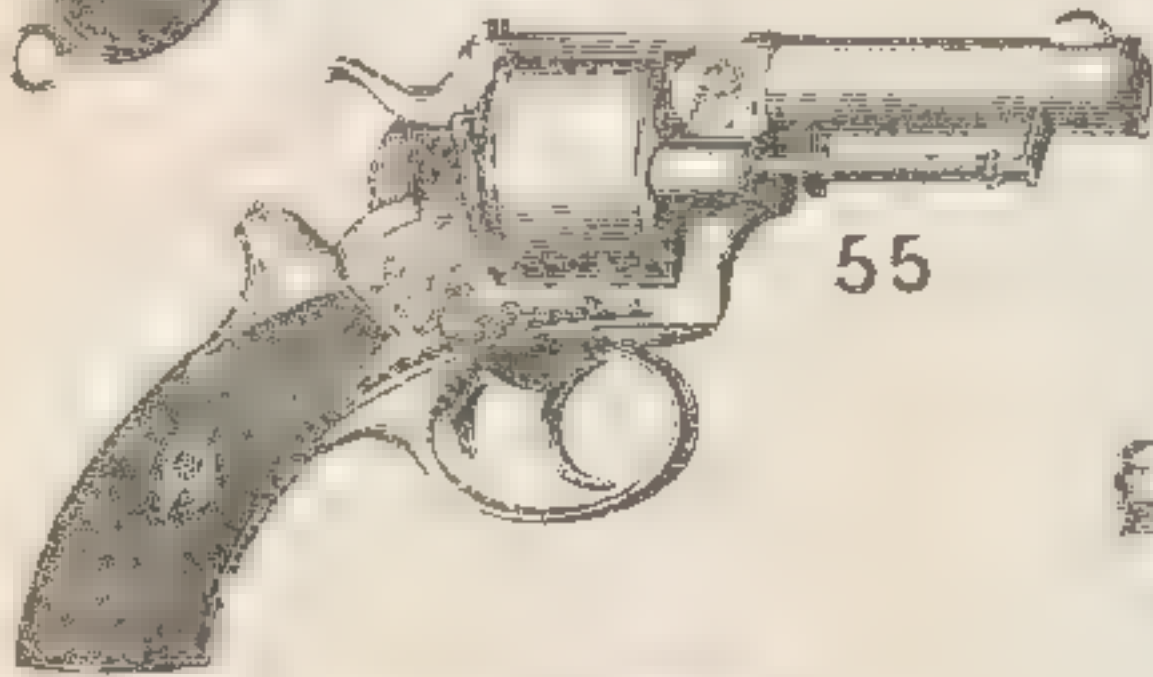
GUNS & PISTOLS



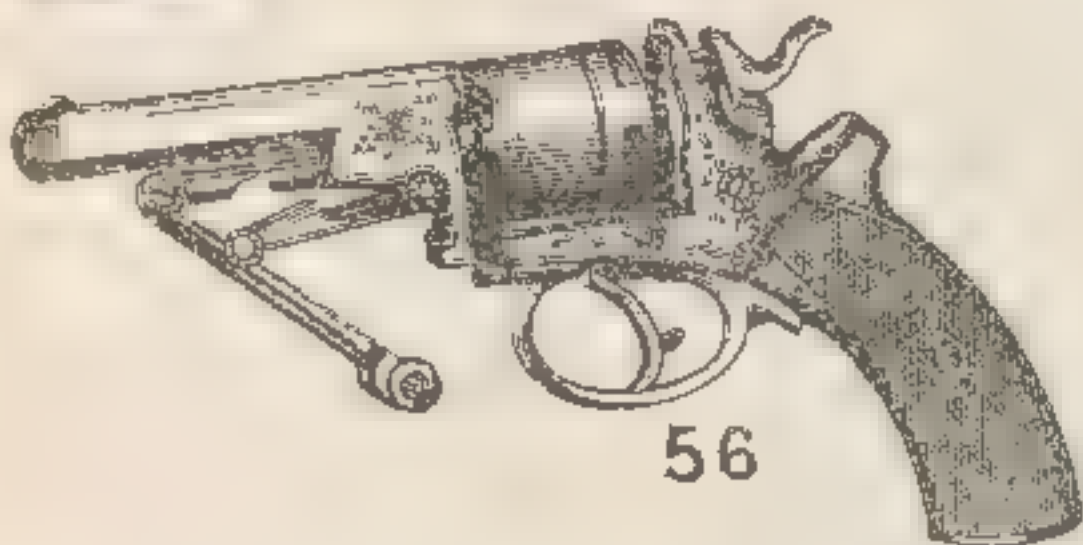
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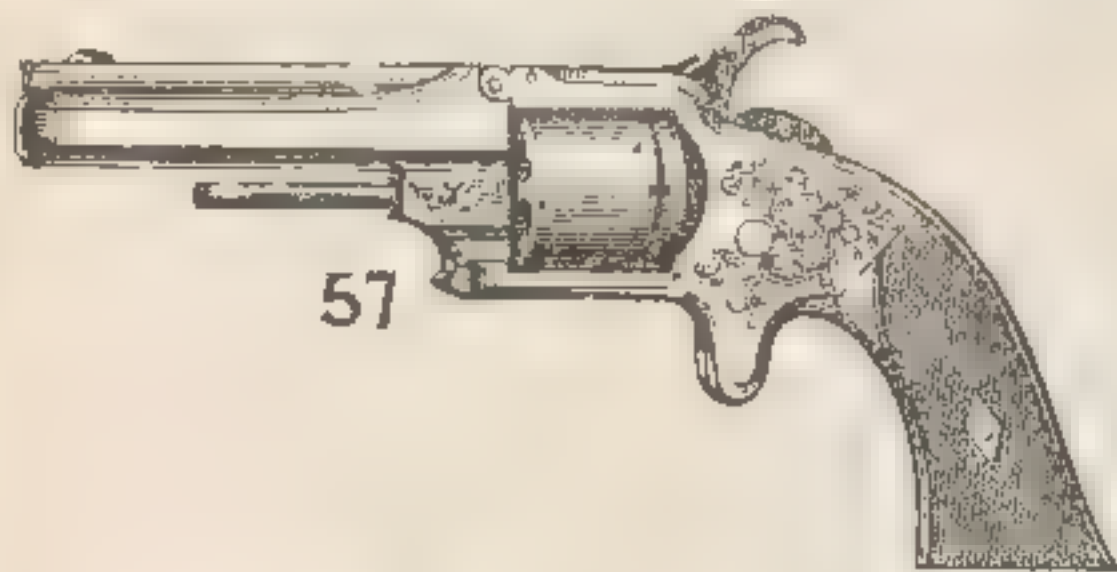
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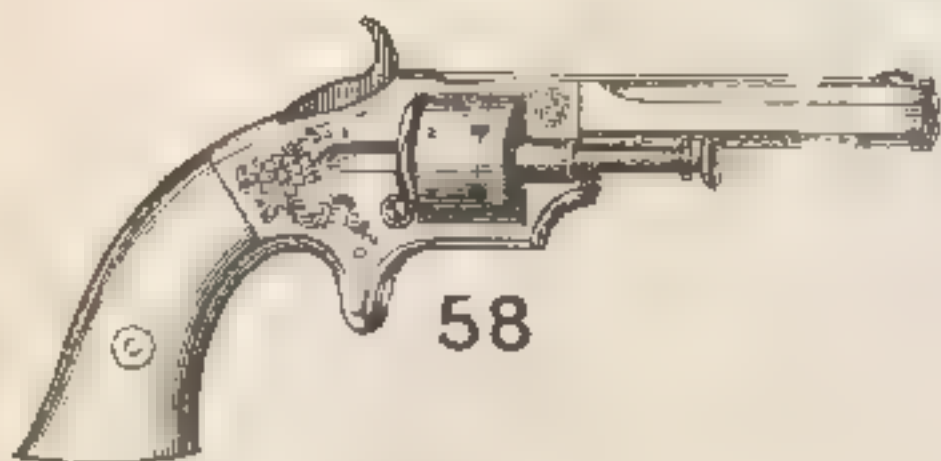
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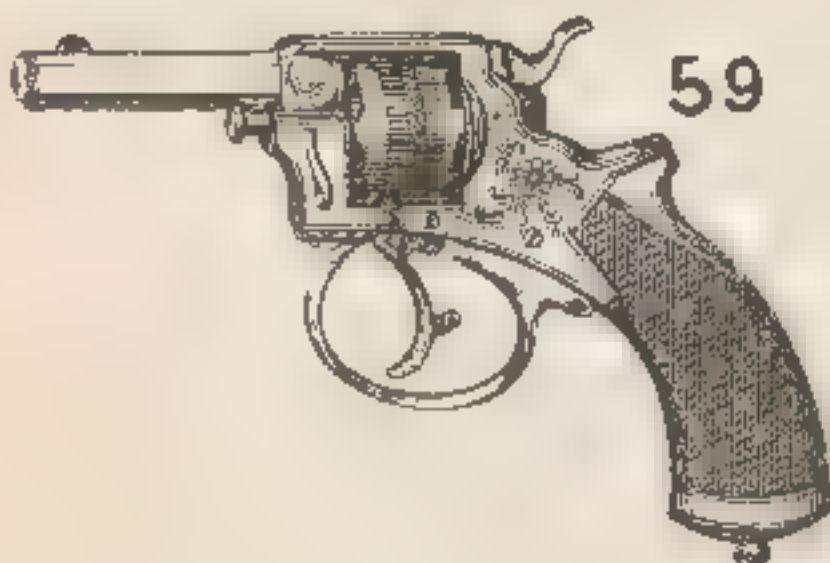
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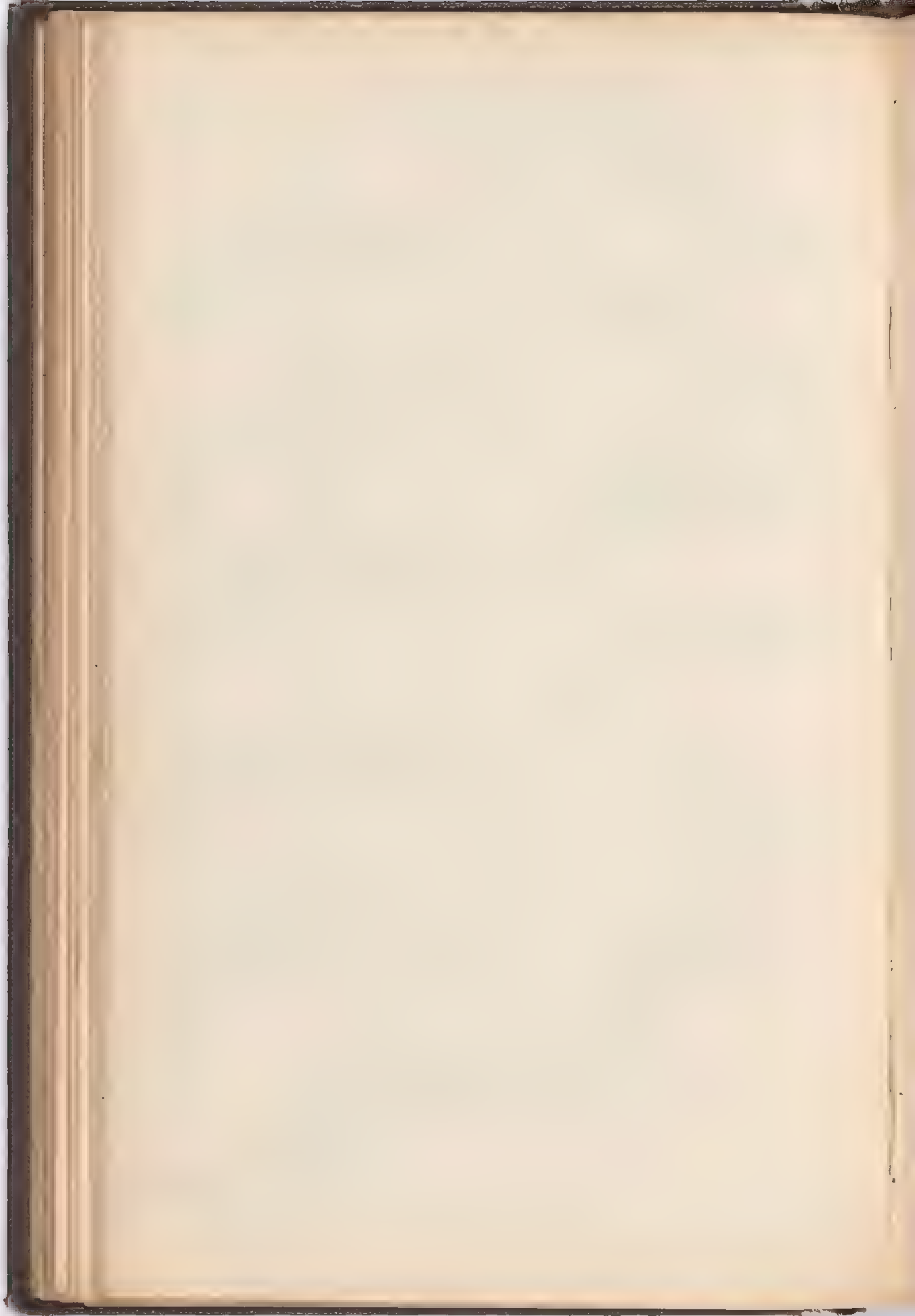
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GUNS AND PISTOLS.

		SINGLE GUNS.			£	s.	d.
No.							
1.	Sham twist, round barrel, piped, not ribbed, percussion lock, varnished stock, &c.	0	9	0
2.	Sham twist, round barrel, ribbed and better finished	...	...	...	0	9	8
3.	Sham twist, Spanish barrel, ribbed, German silver nose cap, chequered and varnished	...	...	...	0	10	2
4.	Sham twist, Spanish barrel, full mounted, bolts and escutcheons, &c., bridle locks, walnut stock	...	...	...	0	11	6
5.	Sham twist, Spanish barrel, percussion bridle lock, break-off, German silver escutcheons, nose cap and bands, chequered and varnished stock, red wood rod and cap'd worm	...	...	...	0	12	6
6.	Sham twist barrel, mullered and squared, patent breech, long strap break-off, back-action swivel bridle lock, German silver escutcheons, and nose cap, chequered and varnished walnut stock, red wood rod, and cap'd worm	...	...	...	0	13	6
7.	Real twist barrel, ditto ditto, but better finish, red wood rod, &c., better engraved and finished than the above	...	...	...	0	15	6
8.	Ditto, if bar side	...	...	...	0	18	0
9.	Ditto ditto, as above, but with shouldered stock, and better finish, &c.	...	...	...	0	17	6
10.	Real twist barrel, bar side lock, all heart walnut stock, German silver escutcheons and thumb piece, ebony rod and cap'd worm, sound and well finished	...	...	...	0	18	6
11.	Ditto, with Nock's form barrel and better finish, chequered fore-end	...	...	...	1	2	0
12.	Real twist Nock's form barrel, bar side lock, round bodied cock, scroll guard, and screwed pipe, heart walnut stock, ebony rod, well engraved and finished	...	...	...	1	6	0
13.	Ditto ditto, as above, but with iron and Damascus barrel	...	...	...	1	8	0
14.	Iron Damascus twist Nock's form barrel, bar side steel inside lock, box wood furniture, German silver escutcheons, thumb piece, nose cap, and bands, well figured stock, ebony rod, sound and well finished	...	...	...	1	18	0
15.	Stub Damascus twist Nock's form barrel, bar side steel freed lock, box work furniture, better quality stock, steel escutcheons, chequered fore-end, better engraved and finished than No. 14...	...	...	...	2	5	0
16.	Better quality real Damascus twist barrel, and better engraved with bar side lock	...	...	...	2	15	0
		DOUBLE GUNS.					
17.	Sham twist barrels, break-off, varnished walnut stock, bolts and escutcheons	...	...	...	0	18	0
18.	Ditto ditto, as above, but with hutts and long strap break-offs	...	...	...	0	19	0
19.	Ditto ditto, patent breech and bridle locks, and better finish	...	...	...	1	0	0
20.	Real twist barrel, back-action swivel bridle locks, walnut stock, long strap break-off, patent breech, German silver escutcheons and thumb-piece, red wood rod, and cap'd worm	...	...	...	1	5	0
21.	Ditto, if bar side	...	...	...	1	7	0
22.	Ditto ditto, as above, but better finished and engraved, &c., ebony rod and cap'd worm	...	...	...	1	8	0
23.	Ditto, if bar side	...	...	...	1	10	0
24.	Real twist barrels, bar side locks, all heart walnut stock, stock escutcheons and thumb-piece, ebony rod and chequered fore-end	...	...	...	1	13	0

GUNS AND PISTOLS (continued).

No.		£	s.	d.
25.	Real twist barrels, barside bright inside locks, scroll guard, all heart walnut stock, well figured ebony rod, well finished and engraved	1	16	0
26.	Best skelp barrels, fine bored, bar steel inside locks, box work furniture, well figured stock, ebony rod and chequered fore-end... .. 40/- to	2	5	0
27.	Iron Damascus twist barrels, bar steel inside locks, box work furniture, steel escutcheons, German silver thumb-piece, sound and well finished	2	10	0
28.	Stub Damascus twist barrels, handsome walnut stock, steel freed locks, box work furniture, steel escutcheons, silver thumb-piece, chequered fore-end, superior engraving and finishing	2	15	0
29.	Ditto ditto, better locks, &c. &c.	3	0	0
30.	Damascus barrels, five-pin bridle, steel freed, best quality, barside locks, box work furniture, steel escutcheons, silver thumb-piece, platina vent holes, fine chequered and varnished handsome stock, snakewood rods, best workmanship and finish 90/- to	6	0	0

SINGLE RIFLES.

31.	Real twist barrel, rifled with three grooves, bar side steel inside lock, scroll guard, all heart walnut stock, steel rod, cap'd, one-fold steel sight, blued and polished moulds, German silver nose cap, escutcheons and thumb-piece, sound and well finished	2	0	0
	The same, with trap in butt, handsomely engraved, 7/- extra.			
32.	Ditto ditto, as above, with Minié sights and brass conical bullet moulds	2	3	0

DOUBLE RIFLES.

33.	40/- and up.			
34.	Breech-loading Guns, pin-fire, Double from	3	0	0
35.	Central " " " " " " " " " " " "	3	5	0

SADDLE PISTOLS.

36.	Guards and bright body, blued barrels, with moulds and key, varnished stock	0	3	0
37.	Ditto ditto, round bands, hardened, <i>and not</i> chequered ...	0	3	8
38.	Ditto ditto, chequered	0	4	0
39.	Octagon barrels, hardened and chequered, with moulds ...	0	4	6
40.	Ditto ditto, with gilding metal bodies	0	6	6

41.	Mahogany Case, lined with velvet, with brass lock and two bolts, suitable for guns Nos. 20 to 28, fitted with flask, pouch and sling, wash rod and four implements, punch, turnscrew, nipple wrench, extra nipples, and box of percussion caps...	1	5	0
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Percussion Ship Muskets, with walnut stocks and browned barrels and bayonets	0	12	0
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Percussion Ship Pistols from	0	7	0
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Ditto ditto, with swivel rods	0	8	0
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African—Fuzees	0	6	11
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Long Danes	0	7	2
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Tower Muskets	0	7	5
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Birding	0	7	5
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Heavy Buccaneers... ..	0	10	5
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Light Buccaneers	0	8	3
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Foreign Percussion	0	4	6
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Foreign Flint	0	6	6
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Snider Rifles	0	15	0
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GUNS AND PISTOLS (continued).

DOUBLE BREECH-LOADERS.

No.		£	s.	d.
42.	Central fire, finest quality bar locks, best Damascus barrels, snap action, improved side lever, solid fences, workmanship of very superior quality and finish... ..	22	11	6
42A.	As above, good quality locks, Damascus barrels, snap action, side lever, best style and finish	17	12	6
42B.	Plain fences, good horse-shoe bridle locks, finished clean ...	15	0	0
42C.	Damascus or laminated steel barrels, horse-shoe bridle locks, wrought iron furniture, sound, clean, and useful gun ...	12	8	0
42D.	Laminated steel barrels, 3-legged bridle locks, wrought iron furniture, strong and suitable for gamekeeper's or farmer's use	9	14	6
42E.	Double central fire breech loader, Stubb Damascus barrels, plain steel locks, strongly made for heavy use	7	16	0
No. 42 can be made in all qualities with lever same as 47 or 53, at same prices as above, or with back-action locks at the same prices as No. 47 or 53.				
43.	Lefeauchaux's central fire, double-grip action, Damascus barrels, best quality locks, solid fences, finely chequered and engraved, and finished throughout in the most superior style	22	9	0
43A.	Damascus barrels, superior horse-shoe bridle locks, a well-made, handsome, and serviceable gun, handsomely engraved and finished	19	2	0
43B.	Damascus or good laminated steel barrels, solid fences, good locks and furniture, a strong well-constructed gun ...	16	0	0
43C.	Good Damascus or laminated steel barrels, strong horse-shoe bridle locks, made of good material, but plainly finished...	13	8	6
43D.	Laminated steel barrels, 3-legged bridle locks, all made from forged material, neatly finished, a strong, handy, and durable gun	12	0	0
44.	Plain bar central fire Lefeauchaux's double-grip action, best Damascus barrels, plain fences, best quality horse-shoe bridle bar locks, material all of best forged iron, handsomely engraved with game or scroll, finely finished	16	12	6
44A.	Good horse-shoe bridle locks, Damascus barrels, forged locks and furniture, finished clean	13	16	6
44B.	Laminated steel or Damascus barrels, horse-shoe bridle locks, a strong serviceable gun, neatly finished	12	0	0
44C.	Stubb Damascus barrels, 3-legged bridle locks, strongly made, well but plainly finished	10	13	6
44D.	Iron twist Damascus barrels, freed steel locks, chequered and engraved, suitable for gamekeeper's use	9	0	0
44E.	Plain twist barrels, steel locks, finished plain and strong ...	7	10	0
45.	Pistol-hand back-action central fire Lefeauchaux's patent double-grip action, best Damascus barrels, 3-legged bridle locks of good quality, forged cocks and furniture, pistol-hand handsomely carved, and well finished and engraved	13	0	0
45A.	Damascus barrels, 3-legged bridle locks, engraved and finished in second quality	11	10	0
45B.	Plain Damascus or laminated steel barrels, finished and engraved plainer	10	7	6
45C.	Laminated steel barrels, 3-legged bridle locks, soundly finished, suitable for farmer's or gamekeeper's use	9	10	0
45D.	Iron twist Damascus barrels, freed steel locks, wrought iron furniture, cocks, &c., a plain sound gun	8	0	0
45E.	Plain twist barrels, steel locks, plain neat finish	7	5	0
Any of the guns of this number may be made with iron or horn cap, instead of carved head at same prices, or with plain hand if required at 7/6 less than prices quoted.				

GUNS AND PISTOLS (continued).

No.		£	s.	d.
46.	Lefauchaux's central fire, back action, solid fences, double grip action, 3-legged bridle locks, of superior quality, best Damascus barrels, handsome stock, well engraved with game or scroll, and finely finished	13	10	0
46A.	Best forged material, nicely engraved and finished	12	5	0
46B.	Laminated steel barrels, a strongly-constructed, serviceable gun	10	15	0
46C.	Good sound locks, neatly and strongly finished	9	0	0
46D.	Iron twist barrels, freed steel locks, a strong gun, suitable for gamekeeper's use	7	15	0
47.	Snap action, guard lever, central fire, lever on bow with thumbpiece at side of bow, solid fences, best Damascus barrels, first quality, back action locks, best material and workmanship	14	15	0
47A.	Damascus barrels and steel 3-legged bridle locks, material of good quality, nicely engraved and finished	12	16	0
47B.	Plain fences, Damascus barrels, good steel locks, finished well and sound	10	10	0
47C.	Laminated steel barrels, sound locks, neatly engraved and finished	8	15	0
47D.	Stubb Damascus barrels, freed steel locks, a sound serviceable gun	7	15	0
47E.	Lever at side of bow, iron twist barrels, sound locks, plain finish	6	10	0
	The above can be made in all qualities, with double grip Lefauchaux action or with lever same as in engraving 53 at the same price.			
48.	Murcott's patent hammerless central fire snap action, lever on bow, bolted top and bottom, best Damascus barrels, very superior locks, London style of build and finish, superbly engraved and finished	27	0	0
48A.	Fine Damascus barrels, best steel locks, handsomely finished, second quality	23	0	0
48B.	Laminated steel barrels, good steel horse-shoe bridle locks, all of sound good material but plainer finish	22	1	0
49.	Westley Richards patent top lever central fire snap action, Damascus barrels, locks, furniture and all material of first-class quality, richly engraved, chequered and finished with handsome stock, &c.	34	10	0
49A.	Damascus barrels, very superior steel locks, good material throughout, nicely engraved and finished	30	0	0
49B.	Laminated steel barrels, good steel horse-shoe bridle locks, best forged material, plainly and neatly finished	27	10	0
50.	Hughes' improved guard lever, snap action, central fire, bar locks, lever inside the guard, percussion fences, handsomely engraved and richly finished	21	7	6
50A.	Damascus barrels, horse-shoe bridle locks, a perfectly good and handy gun	19	0	0
50B.	Plain fences, Damascus barrels, fine horse-shoe bridle locks, of sound and good material throughout, neatly finished and engraved	15	10	0
50C.	Horse-shoe bridle locks, good forged material, plainly finished with neat engraving and chequer	13	10	0
50D.	Iron twist Damascus barrels, a handsome strong and useful gun, plain finish and engraving	12	0	0
50E.	With back action locks, best Damascus barrels, solid fences, cast steel freed locks, richly engraved and finished	15	10	0
50F.	Damascus or fine laminated steel barrels, 3-legged bridle locks, wrought furniture, a clean and serviceable gun	13	0	0

GUNS AND PISTOLS (continued).

No.		£	s.	d.
50G.	Damascus or fine Stubb Damascus barrels, plain fences, well finished, a strong gun, suitable for gamekeeper's use ...	10	15	0
50H.	Iron Damascus barrels, plain fences, well constructed and neatly finished ...	9	15	0
50I.	Good twist barrels, freed steel locks, plain fences, strong and plainly finished ...	7	15	0
51.	Turner's patent snap action, central fire, bar locks, patent lever, solid fences, finished in very superb style, best engraving, Damascus barrels, finest locks, &c. ...	21	0	0
51A.	Horse-shoe bridle locks, Damascus barrels, solid fences, best material, handsomely finished and engraved with game or scroll ...	19	0	0
51B.	Plain fences, Damascus barrels, horse-shoe bridle locks, all forged material, nicely finished and engraved ...	15	15	0
51C.	Damascus or Stubb Damascus barrels, horse-shoe bridle locks, wrought furniture, &c., neatly engraved, a sound gun ...	13	0	0
51D.	Iron twist Damascus barrels, 3-legged bridle locks, plain fences, a clean finished neat gun ...	11	0	0
51E.	With back action locks, 3-legged bridle locks, Damascus barrels, material all of the finest quality, handsomely engraved and finished in the best London style ...	19	0	0
51F.	Solid fences, Damascus barrels, cast steel locks, nicely engraved and finished ...	15	10	0
51G.	Plain fences, Damascus barrels, good material, well and soundly finished ...	12	15	0
51H.	Plain fences, iron twist Damascus barrels, good 3-legged bridle locks, strong and plainly finished ...	10	10	0
51I.	Twist barrels, good locks, a strong serviceable gun ...	9	0	0
52.	Matthews' snap action central fire, bar locks, patent top lever, best Damascus barrels, best quality cast steel horse-shoe bridle bar locks, richly finished and engraved in the most chaste manner ...	21	10	0
52A.	Damascus barrels, solid fences, first-class locks, furniture and material of best forged iron, handsomely finished ..	18	10	0
52B.	Plain fences, Damascus barrels, well engraved and finished...	14	10	0
52C.	Laminated steel barrels, horse-shoe bridle locks, well made and finished ...	12	0	0
52D.	Iron twist Damascus barrels, 3-legged bridle locks, wrought furniture, &c., soundly and cleanly finished ...	9	10	0
52E.	With back action locks, 3-legged bridle locks, Damascus barrels of finest quality, richly finished and handsomely engraved, solid fences ...	16	0	0
52F.	Damascus barrels, solid fences, good cast steel locks, well made and stylish finish, handsome engraving and chequer	13	10	0
52G.	Damascus barrels, good steel locks, well constructed and finished ...	10	15	0
52H.	Plain fences, strongly made and neatly finished ...	9	5	0
52I.	Plain fences, freed steel locks, twist barrels, wrought furniture, well finished ...	7	10	0
53.	Improved lever snap action, central fire.—This Gun is made in six qualities at the same prices as No. 47.			

Any of the breech-loading guns quoted for above can be made strong enough for ball shooting at the same prices, or they can be made with both barrels rifled in any bore at an extra charge of £2 and £6 per gun according to quality, or if express rifling with moulds suitable £7 extra. If they are made for pin fire cartridges, the price varies from 10/- to 30/- per gun less than the prices quoted. The gun may be shot and regulated at an extra charge of 10/- per gun, and paper targets of shooting sent. They are warranted to put 150 pellets of No. 6 shot in a 30-inch target at 40 yards distance. Any of the guns can be fitted in cases, with a full set of cleaning and loading implements, at from 40/- to 120/- each.

GUNS AND PISTOLS (continued).

SINGLE BREECH-LOADERS.

	£	s.	d.
Single breech-loader, pin fire, Damascus barrel, good back action lock, well finished and engraved, 12, 14, or 16 bore ... £8 to	10	0	0
Ditto ditto, laminated steel barrels, second quality ... £7, £8 to	10	0	0
Ditto ditto, third quality £6 10s. to	7	10	0
Single central fire breech-loader, 12, 14 or 16-bore, Damascus barrel, cast steel lock, good material and finish, £10, best quality	12	0	0
Ditto ditto, laminated steel barrel, good lock and material, second quality	7	10	0
Ditto ditto, iron twist Damascus barrel, 3-legged bridle lock ...	7	15	0
Any of the above with bar locks would be charged at prices varying from £1 10s. to £2 per gun extra.			
Martini-Henry or Westley Richards patent breech-loading rifles, for sporting purposes, engraved and handsomely finished, for .450 solid drawn brass cartridge, best quality	10	15	0
Ditto ditto, second quality	8	14	0
Ditto ditto, plain finish, no engraving, third quality	8	0	0
N.B. — If made for express rifling, 20/- extra, with suitable moulds.			
Martini-Henry rifle for rook and rabbit shooting, .380 bore, best quality	8	0	0
Ditto ditto, second quality	6	15	0
Tranter's central fire rook rifle, .320 or .380 bore	4	7	6
Central fire rook and rabbit rifle, with lever at side, .320 or .380 bore	3	7	6
Single sporting snider breech-loading rifle, Damascus or laminated steel barrels, octagon shape, well finished and engraved, good sights, &c.	8	0	0
Ditto ditto, round laminated steel barrels, second quality	6	14	0
Ditto ditto, plain steel round barrel, third quality	4	10	0
Ditto ditto, plain iron barrel, fourth quality	4	0	0
Needle rifle, Damascus barrel, 75 or 110 bore	3	15	0
Ditto twist barrel, 75 or 110 bore, second quality	3	0	0
Ditto ditto, plain steel barrels, third quality	2	15	0

REVOLVERS, &c.

BEST ENGLISH MAKE.

No.						£	s.	d.
54.	Meyer's patent pin fire double action, 12 millimetre	...				2	0	0
54A.	Ditto ditto ditto 9 ditto	...				1	16	0
54B.	Ditto ditto ditto 7 ditto	...				1	12	0
Engraved, 5/- extra.								
55.	Constabulary central fire, double action .442 and .450 bore	...				2	15	0
55A.	Ditto ditto, .380 and .320 bore	...				2	12	6
56.	Galand and Somerville's patent extracting revolvers, central fire, well finished and engraved, .450 bore	...				4	7	0
56A.	Ditto ditto not engraved	...				4	0	0
56B.	Ditto ditto .380 bore, well finished and engraved	...				3	15	0
56C.	Ditto ditto not engraved	...				3	8	0
56D.	Ditto ditto .320 bore, well finished and engraved	...				3	10	0
56E.	Ditto ditto not engraved	...				3	5	0
57.	Smith and Wesson's No. 1 size .230 rim fire machine made	...				2	7	0
	Ditto ditto No. 2 size .320 short cartridge ditto...	...				2	19	0
	Ditto ditto No. 3 size .320 long cartridge ditto	...				3	7	0
57A.	Ditto ditto No. 1 size rim fire .230 cartridge, hand made	...				1	16	0
	Ditto ditto No. 2 size rim fire .320 short cartridge, ditto	...				2	7	6
	Ditto ditto No. 3 size rim fire .320 long ditto, ditto	...				2	10	0

GUNS AND PISTOLS (continued).

No.		£	s.	d.
58.	Lowell's Smith and Wesson revolver, rim fire, single action, to load with chamber out	1	8	0
58A.	Ditto ditto to load at side with extracting rod	1	12	0
59.	Tranter's rim fire .230 bore, fine gilt body, &c.	3	0	0
59A.	Ditto central fire .380 bore, iron body blued	3	7	0
59B.	Ditto ditto .442 or .450 bore	4	10	0
	Engraved, 5/- 6/- or 7/- extra.			
60.	Hughes' improved guard lever, self-half-cocking, central fire, self-extracting revolver, .450 cartridge, engraved	4	0	0
60A.	Ditto ditto not engraved	3	15	0
60B.	Ditto ditto .380 cartridge, engraved	3	12	0
60C.	Ditto ditto ditto not engraved	3	7	0
60D.	Ditto ditto .320 cartridge, engraved	3	10	0
60E.	Ditto ditto ditto not engraved	3	6	0
61.	Hughes' improved bottom snap central fire revolver, .450 cartridge, self extracting, well finished and engraved	3	0	0
61A.	Ditto ditto not engraved	2	17	0
61B.	Ditto ditto .380 cartridge, engraved	2	18	0
61C.	Ditto ditto ditto not engraved	2	15	0
61D.	Ditto ditto .320 cartridge, engraved	2	16	0
61E.	Ditto ditto ditto not engraved	2	13	0
62.	Hughes' improved side lever, self-half-cocking, extracting revolver, .450 cartridge, handsomely finished and engraved	3	7	6
62A.	Ditto ditto not engraved	3	3	0
62B.	Ditto ditto .380 cartridge, engraved	3	4	0
62C.	Ditto ditto ditto not engraved	3	0	0
62D.	Ditto ditto .320 cartridge, engraved	3	0	0
62E.	Ditto ditto ditto not engraved	2	16	0
63.	Hughes' improved extracting central fire revolver, .450 cartridge, self-half-cocking, 6 shot, engraved and well finished	4	0	0
63A.	Ditto ditto plain not engraved	3	13	6
63B.	Ditto ditto .380 cartridge, engraved	3	10	0
63C.	Ditto ditto without engraving	3	5	0
63D.	Hughes' improved extracting central fire self-half cocking revolver, .320 cartridge, engraved	3	8	0
63E.	Ditto ditto not engraved	3	4	0
64.	Hughes' improved secure locking central fire extracting revolver, .450 cartridge, well finished and engraved	3	15	0
64A.	Ditto ditto not engraved	3	10	0
64B.	Hughes improved self extracting central fire revolver, secure locking, .380 cartridge, well finished and engraved	3	7	6
64C.	Ditto ditto not engraved	3	3	0
64D.	Ditto ditto .320 cartridge, well finished and engraved	3	5	0
64E.	Ditto ditto not engraved	3	2	6
65.	Saloon pistol, for bulletted caps, No. 1 size, rim fire, rifled	1	1	0
	Ditto ditto No. 2 size, rim fire, rifled with back shield fence	1	5	0
	Ditto ditto No. 3 size, ditto ditto ditto	1	5	0

COLT'S BREECH-LOADING REVOLVERS.

Holster or army revolver, 6 shot, .442 cartridge, central fire	6	0	0
Belt or navy revolver, 6 shot, central fire, .380 cartridge	5	10	0
Colt's police revolver, 5 shot, .380 cartridge, central fire	5	0	0
Colt's new patent Deringer breech-loading pistol, for the pocket	1	12	0
Colt's new national breech-loading pistol	1	15	0
Colt's patent breech-loading house revolver	4	0	0
Colt's breech-loading 7 shot revolver	3	0	0
Colt's muzzle loading revolvers from £1 15s. to	4	0	0

GUNS AND PISTOLS (continued).

LEFEAUCHEUX REVOLVERS.

								£	s.	d.
Double action	Lefauchaux revolver,	pin fire,	12 millimètre							
	cartridge	...	...	...	...	...	...	2	5	0
Ditto	ditto	second quality	...	...	...	...	...	1	18	0
Ditto	ditto	third quality	...	...	...	...	...	1	10	0
Ditto	ditto	9 millimètre, with extracting rod	...	...	...	...	...	2	0	0
Ditto	ditto	second quality	...	...	...	...	...	1	14	0
Ditto	ditto	third quality	...	...	...	...	...	1	10	0
Ditto	ditto	7 millimètre cartridge, best quality	...	...	...	...	...	2	0	0
Ditto	ditto	second quality	...	...	...	...	...	1	12	0
Ditto	ditto	third quality...	...	...	...	...	...	1	7	0
Ditto	ditto	common	...	...	...	...	...	1	0	0
Lefauchaux	fist revolver,	7 millimètre cartridge, best finish	...	...	...	...	...	1	10	0
Ditto	ditto	second quality	...	...	...	...	...	1	4	0
Ditto	ditto	third quality	...	...	...	...	...	0	19	0

Any of the above revolvers can be plated in silver or nickel if required at an extra charge, varying from 5/- to 15/- according to size and quality.

They may also be fitted in oak or mahogany cases, with implements, at 10/- to 20/- extra; or fitted into pistol holsters with belts and cap pockets, 6/- to 15/- each. All the revolvers finished plain, unless they are quoted for engraved.

REVOLVERS.

BEST BELGIAN MAKE.

						Bore.		Nett Prices.		
								£	s.	d.
1.	Lefauchaux	...	...	...	...	7 m m	...	0	7	0
2.	Ditto	...	...	...	...	9 "	...	0	8	6
3.	Ditto	...	...	...	...	12 "	...	0	9	6
4.	Ordinary, central fire	...	...	...	...	.320	...	0	10	0
5.	Ditto ditto	...	...	...	...	.380	...	0	11	6
6.	Ditto ditto	...	...	...	...	.450	...	0	13	0
7.	Lefauchaux Fagnus	...	...	...	...	7 m/m	...	0	11	6
8.	Ditto ditto	...	...	...	...	9 "	...	0	13	0
9.	Ditto ditto	...	...	...	...	12 "	...	0	14	6
10.	Fagnus, central fire	...	...	...	...	.320	...	0	19	0
11.	Ditto ditto	...	...	...	...	.380	...	1	0	6
12.	Ditto ditto	...	...	...	...	.450	...	1	2	0
13.	Bouledogne, central fire, Irish Constabulary pattern	...	...	...	...	.320	...	0	18	0
14.	Ditto ditto ditto ditto	...	...	...	...	.380	...	0	19	0
15.	Ditto ditto ditto ditto	...	...	...	...	.450	...	1	0	0
16.	Levaux, central fire, self extracting	...	...	...	...	.320	...	1	16	0
17.	Ditto ditto ditto	...	...	...	...	.380	...	1	18	0
18.	Ditto ditto ditto	...	...	...	...	.450	...	2	0	0
19.	Dessartes ditto ditto	...	...	...	...	.320	...	1	11	0
20.	Ditto ditto ditto	...	...	...	...	.380	...	1	13	0
21.	Ditto ditto ditto	...	...	...	...	.450	...	1	15	0
22.	Connet ditto ditto	...	...	...	...	.320	...	1	12	0
23.	Ditto ditto ditto	...	...	...	...	.380	...	1	14	0
24.	Ditto ditto ditto	...	...	...	...	.450	...	1	15	0
25.	Smith & Wesson, central fire, self extracting	...	...	...	...	.230	...	1	18	6
26.	Ditto ditto ditto	...	...	...	...	.320	...	2	1	6
27.	Ditto ditto ditto	...	...	...	...	.440	...	2	14	0
28.	Smith & Wesson, rim fire, 5 barrels	...	...	...	...	.320	...	1	2	6
29.	Ditto ditto 7 barrels	...	...	...	...	.230	...	1	0	6
30.	Ditto ditto 6 long barrels	...	...	...	...	.320	...	1	4	0

AMMUNITION.

SPORTING AMMUNITION FOR BREECH-LOADING GUNS.

CARTRIDGE CASES.

						GAUGE.	PER 1000.		
							£	s.	d.
Central fire Cartridge Cases, Green, extra quality, printed									
"Patent Gas-Tight Cartridge," stamped "Eley Bros.,									
London"						4	8	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	8	3	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	10	2	15	0
Ditto	ditto	ditto	ditto	ditto	ditto	12	2	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	14	2	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	16	2	2	0
Ditto	ditto	ditto	ditto	ditto	ditto 20, 24, 28	...	1	17	6
Ditto	ditto	ditto	ditto	ditto	for Rook Rifles .360 & .410	...	1	10	0
Pin fire Cartridge Cases, Green, extra quality, printed									
"Patent Gas-Tight Cartridge," stamped "Eley Bros.,									
London"						4	7	0	0
Ditto	ditto	ditto	ditto	ditto	ditto	8	3	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	10	2	15	0
Ditto	ditto	ditto	ditto	ditto	ditto	12	2	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	14	2	5	0
Ditto	ditto	ditto	ditto	ditto	ditto	16	2	2	0
Ditto	ditto	ditto	ditto	ditto	20, 24, 28	...	1	17	6
Ditto	ditto	ditto	ditto	ditto	for Rook Rifles .360 & .410	...	1	10	0
Ditto	ditto	ditto	ditto	ditto	Metal-lined for Rifles .520	...	2	5	0
Central fire Cartridge Cases, quality Blue, stamped									
"Eley Bros., London"						10	2	10	0
Ditto	ditto	ditto	ditto	ditto	ditto	12	2	0	0
Ditto	ditto	ditto	ditto	ditto	ditto	14	2	0	0
Ditto	ditto	ditto	ditto	ditto	ditto	16	1	18	0
Central fire Cartridge Cases, quality Brown, stamped									
"E. B., London"						10	1	17	6
Ditto	ditto	ditto	ditto	ditto	12 & 14	...	1	12	6
Ditto	ditto	ditto	ditto	ditto	16	...	1	10	0
Ditto	ditto	ditto	ditto	ditto	20, 24, 28	...	1	10	0
Pin fire Cartridge Cases, quality Blue, stamped "Eley									
Brothers, London"						10	2	10	0
Ditto	ditto	ditto	ditto	ditto	ditto	12	2	0	0
Ditto	ditto	ditto	ditto	ditto	ditto	14	2	0	0
Ditto	ditto	ditto	ditto	ditto	ditto	16	1	18	0
Pin fire Cartridge Cases, quality Brown, stamped "E. B.,									
London"						10	1	17	6
Ditto	ditto	ditto	ditto	ditto	12 & 14	...	1	12	6
Ditto	ditto	ditto	ditto	ditto	16	...	1	3	6
Ditto	ditto	ditto	ditto	ditto	20, 24, 28	...	1	10	0
Extra Central fire Cartridge Cases, 3¼ inches long, for									
heavy charges, Blue						10	2	15	0
Ditto	ditto	3 inches long, for ditto	...	...	...	12	2	10	0
Cartridge Cases, E quality, Central fire, stamped E									
London						10	1	10	0
Ditto	ditto	ditto	...	...	...	12	1	7	6
Ditto	ditto	ditto	...	...	...	14	1	7	6
Ditto	ditto	ditto	...	...	...	16	1	6	0
Solid Brass Central fire Cases for re-loading, 12-gauge, 15/- per 100.									

N.B.—In ordering Cartridge Cases or Cartridges, it is necessary to state the Gauge, Color, or Quality, and whether Pin-fire or Central-fire—this notice is rendered necessary by these particulars being in many instances omitted in orders.

AMMUNITION (continued).

LOADED SPORTING CARTRIDGES.

PATENT GAS-TIGHT EXTRA QUALITY (GREEN) BREECH-LOADING CARTRIDGES.
PIN-FIRE OR CENTRAL-FIRE.

Usual charge, 12 gauge, 3 drams best powder, $1\frac{1}{8}$ oz.			
No. 5 and 6 shot	...	...	12/9 per box of 100.
Extra charge, 12 gauge, $3\frac{1}{4}$ drams best powder,			
$1\frac{1}{4}$ oz. No. 5 and 6 shot	...	...	13/3 " "
16 gauge, $2\frac{3}{4}$ drams best powder, $1\frac{1}{8}$ oz. No. 5 and			
6 shot	...	...	12/3 " "

BEST QUALITY (BLUE) BREECH-LOADING CARTRIDGES.
PIN-FIRE OR CENTRAL-FIRE.

12 gauge	...	...	11/9 per box of 100.
12 gauge extra charge	..	...	12/3 " "
16 gauge	11/6 " "

E B BROWN QUALITY BREECH-LOADING CARTRIDGES.

12 and 16 gauge	11/- per 100.
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CENTRAL-FIRE E QUALITY CARTRIDGES.

12 and 16 gauge	10/6 per box of 100.
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LOADED SPORTING CARTRIDGES WITHOUT SHOT.

				PER 1000.		
				£	s.	d.
Green (Gas-tight) Cases, with Powder only and Felt Wads, in						
wood boxes of 100 each	...	...	12 and 16 gauge	...	4	15 0
Blue Cases, ditto	ditto	ditto	ditto	...	4	2 6
Brown Cases, E B quality	ditto	ditto	ditto	...	3	15 0
E quality	ditto	ditto	ditto	...	3	10 0

An extra Discount allowed for quantities of 25,000 at one time for prompt cash.

Best (Gas-tight) Cartridge Cases, loaded with the Schultze

Patent Gunpowder, without shot	...	12 and 16 gauge	10/6 per 100.
Or can be loaded with shot to order	.....	...	13/6 " "

WADDINGS FOR BREECH-LOADING CARTRIDGE CASES.

Best Thick White Felt Wadding, for Breech-loading Cases,			
for over-powder	...	...	3/6 per lb.
Ditto ditto No. 2	ditto	ditto	3/- " "
Thick Brown Felt Wadding	ditto	ditto	2/6 " "
Best White Cloth Top-Wads, for ditto, for over-shot			
(numbered 4, 5, or 6) in bags of 500	...	...	3/6 per 1000.
Grey Cloth	ditto	ditto	2/4 " "
White Card ditto	ditto	ditto	1/- " "

Gunmakers, &c., loading their own Cartridges, requiring these Wads in bulk instead of in bags, can have them put up in bags or boxes of 5lb. or 5000 at a reduction of 1d. per lb. or per 1000.

Greaseproof Card Wadding, for use between the powder and			
the greased felt wadding	...	...	1/3 per 1000.
Thin Card Wads for over-shot	...	...	-/6 " "

Waddings printed with any name and size of shot—Best White Cloth, 4 ;
Grey Cloth, 2/11 ; White Card, 1/9 per 1000 in bulk.

SUNDRIES.

Waterproof Caps for re-capping Breech-loading Cases	£	s.	d.
(Pin-fire)	...	...	0 4 0 per 1000
Ditto ditto ditto (Central-fire)	0	4	0 " "
Anvils for Central-fire Cartridge Cases	...	...	0 2 0 " "
Waterproof Primers for Solid Metal and other Cartridge			
Cases	...	...	0 4 0 " "
Machines for filling and finishing Breech-loading			
Cartridges	...	...	0 12 6 each
Eley's Needle Rifle Cartridges, of 75, 90, and 110 gauges	1	16	0 per 1000
Cylinder Wire Cartridges for Breech-loading Cartridge Cases	0	9	0 per 100
Lancaster's Shot Concentrators, 12 gauge, and smaller	...	...	0 3 3 per 1000
Ditto ditto 10 gauge	...	...	0 4 3 " "

AMMUNITION (continued).

AMMUNITION FOR MUZZLE-LOADING GUNS AND RIFLES,
PERCUSSION CAPS.

No.		£	s.	d.	
1.	Double Waterproof Central-fire Percussion Caps	0	5	0	per 1000
2.	Best Metal-lined Percussion Caps	0	4	6	"
3.	Best Sporting Percussion Caps (Central Foil-lined)	0	3	6	"
4.	F L Quality (Foil-lined) Caps	0	2	9	"
5.	S G Quality (Anti-corrosive) Caps	0	2	3	"
6.	E B Quality ditto (the original E B Foil-lined Caps, with ground edges)	0	2	0	"
	S F Quality ditto	0	1	6	"
7.	W E Quality ditto	0	1	1	"
8.	E Quality ditto	0	0	11	"
	Double Waterproof Military Caps	0	5	0	"
	Waterproof Military Caps	0	3	6	"
	Foil-lined ditto	0	3	0	"

The above, if put in boxes of 100 each, are -/3 per 1000 extra.

WADDINGS AND CARTRIDGES FOR MUZZLE-LOADING
GUNS.

	£	s.	d.	
Concave Thick Felt Wadding, in bags of $\frac{1}{2}$ lb. each	0	4	0	per lb.
Best White Cloth Wadding, in bags of 500 each	0	3	6	per 1000
White Cloth Wadding, if in boxes of 250, at -/3 per 1000 extra.				
Chemically prepared Cloth Wadding, in boxes of 250	0	2	4	per 1000
Indented White Paper Wadding, in boxes of 250	0	1	6	"
Patent Felt Waddings, in oil silk bags	0	4	0	"
Patent Wire Cartridges, "Green," for longest distances	0	14	0	per gross
Ditto ditto "Royal," for medium distances	0	12	0	"
Universal Shop Cartridges	0	7	0	"
Elastic Cloth Wadding Sheets, Grey, No. 2 substance	0	5	0	per doz.
Ditto ditto ditto No. 1 ditto	0	7	0	"
Best Covered Yorkshire Wadding Sheets, White	0	0	6	per lb.
Highly-clarified Oil, for the inside of Gun Locks	0	8	0	per doz.

MILITARY AND EXPRESS RIFLE AMMUNITION.

		LOADED. PER 1000.			EMPTY. PER 1000.		
		£	s.	d.	£	s.	d.
Boxer Patent Cartridges, .577 bore, for the Snider and other Rifles	...	5	5	0	2	13	0
Ditto ditto .500 bore, for Express Rifles	...	7	15	0	3	7	6
Ditto ditto .450 bore ditto	...	7	0	0	3	0	0
Eley Boxer ditto .577 bore Coiled Brass ditto	...	8	10	0	4	0	0
Ditto .500 ditto	...	8	0	0	3	12	6
Ditto ditto .450 ditto	...	7	0	0	3	0	0
Eley's ditto .360 ditto	...	5	0	0	2	5	0
Eley's Solid-drawn Metal Express Cartridges, .577 bore	...	9	10	0	4	15	0
Ditto ditto ditto .500 bore	...	8	12	6	4	0	0
Ditto ditto ditto .450 bore	...	8	5	0	4	0	0
Ditto ditto ditto .360 bore	...	5	0	0	2	10	0
Eley Boxer Bottle-shaped Brass Cartridges, .577 bore, reduced to .450 (for Martini-Henry Rifles)	...	7	2	6	3	5	0
Eley's Solid Drawn Metal ditto, .500 bore, reduced to reduced to .450 (for Westley Richards' and other Military Rifles)	...	7	5	0	3	15	0

AMMUNITION (continued).

	£	s.	d.	£	s.	d.
Eley's Solid Drawn Metal ditto, .577 bore, reduced to .500, No. 2 Express (for Westley Richards' and other Rifles)	9	10	0	4	15	0
Eley's ditto ditto (for Westley Richards' and other Carbines)	5	15	0	3	0	0
Eley's ditto ditto ditto Remington Rifles	6	5	0	3	10	0
Copper Flange Cartridges for Spencer's (American) Repeating Rifles, Rim-fire	4	10	0	2	0	0
Ditto ditto Henry's (Winchester) ditto	3	5	0	1	15	0
Cartridges for the New Models ditto Central-fire	3	15	0	1	18	0
Boxer Blank Cartridges for Snider Rifles	2	15	0			

MILITARY (PAPER) CARTRIDGES.

MILITARY (PAPER) CARTRIDGES.						PER 1000.		
						£	s.	d.
Enfield Rifle Cartridges, made with Compressed Bullets						3	10	0
Artillery Carbine Cartridges... ..						3	10	0
Cartridges for Westley Richards' Breech-loading Rifles						4	10	0
Ditto ditto ditto Carbines						3	15	0
Ditto for Terry's Breech-loaders						4	0	0
Ditto for Wilson's ditto						4	0	0
Blank Cartridges for Enfield Rifles						1	5	0

BULLETS, WADS, &c.

BULLETS, WADS, &c.								PER 1000.		
								£	s.	d.
Compressed Bullets for Boxer Cartridges of .577 bore, lubricated...								1	15	0
Hardened Projectiles ditto .500 and .450 bores ...								2	0	0
Compressed Bullets for Express Sporting Rifle Cartridges, with										
Copper Tubes .500 and 450 bore								2	0	0
Ditto ditto ditto .577 bore								2	10	0
Copper Tubes ditto ditto Bullets ...								0	5	0
.442 Solid Cylindrical Projectiles for Long-range Muzzle-loading										
Rifles								2	0	0
Solid Cylindrical Projectiles for Match Rifles								2	15	0
Wax Wads for Express Cartridges								0	5	0
Lubricating Cloth Wads for ditto								0	2	0
Jute Wads ditto								0	1	0

REVOLVER AMMUNITION.

REVOLVER AMMUNITION.						LOADED. Per 1000.			EMPTY. Per 1000.		
Metallic Pin fire Cartridges for Lefauchaux Revolvers,						£	s.	d.	£	s.	d.
12m/.						2	0	0	1	5	0
Ditto	ditto	ditto	ditto	9m/.		1	15	0	1	0	0
Ditto	ditto	ditto	ditto	7m/.		1	12	6	1	0	0
Ditto	ditto	ditto	ditto	5m/.		1	10	0	1	0	0
Ditto	ditto	ditto	ditto	15m/.		4	0	0	2	0	0
Central fire Revolver Cartridges, Boxer Patent,											
.577 bore						4	5	0	2	2	6
Ditto	ditto	.500 bore				3	5	0	1	15	0
Ditto	ditto	.450, .442, and .430				2	15	0	1	15	0
Ditto	ditto	.440 bore (Smith & Wesson's									
No. 3 American and Russian Models)						2	15	0	1	15	0
Ditto	ditto	.410 bore (Colt's Derringer)				2	5	0	1	5	0
Ditto	ditto	.380 bore				2	5	0	1	5	0
Ditto	ditto	.340 bore				2	0	0	1	2	6
Ditto	ditto	.320 bore				1	15	0	1	2	6
Ditto	ditto	.297 bore				1	15	0	1	2	6
Ditto	ditto	for French Revolvers, 12m/.				2	10	0	1	10	0
Ditto	ditto	ditto ditto 9m/.				2	5	0	1	5	0
Ditto	ditto	ditto ditto 7m/.				1	15	0	1	2	6

AMMUNITION (continued).

	£	s.	d.	£	s.	d.
Central fire Revolver Cartridges, Boxer Patent, extra long for Rifles, .442 and .430 bores ...	3	5	0	1	15	0
Ditto ditto .380 bore ditto ...	2	10	0	1	5	0
Ditto ditto .380 bore (with Express Bullet) ...	2	12	6	1	5	0
Ditto ditto .320 bore ditto ...	2	0	0	1	2	6
Rim fire Cartridges for Sharp's, Tranter's, Webley's, and Smith & Wesson's Revolvers, size .230	1	0	0	0	12	0
Ditto ditto ditto size .297	1	10	0	0	15	0
Ditto ditto ditto size .320	1	15	0	1	2	6
Ditto ditto ditto size .320 long	2	0	0	1	2	6
Ditto ditto ditto size .340	2	0	0	1	2	6
Ditto ditto ditto size .380	2	5	0	1	5	0
Ditto ditto ditto size .380 long	2	10	0	1	5	0
Ditto ditto (Colt's Derringer) size .410	2	5	0	1	5	0
Ditto ditto ditto size .440	2	10	0	1	10	0
Ditto ditto ditto size .442	2	10	0	1	10	0
Skin Cartridges for Deane's, Adam's, Tranter's, Kerr's, and Colt's Patent Revolvers, 4/6 per 100.						
Bulleted Breech Caps, No. 3 size, for Saloon Pistols and Rifles ...	1	1	0			
Ditto ditto No. 2 size ...	0	15	0			
Ditto ditto No. 1 size ...	0	9	0			
Saloon Shot Cartridges, No. 3 size ...	1	10	0			
Ditto ditto No. 2 size ...	1	2	6			
Ditto ditto No. 1 size ...	0	15	0			
Waterproof Pistol Caps for Colt's and other Revolvers	0	2	6			
Anti-corrosive ditto ditto ditto	0	1	6			

N.B.—An extra discount allowed for cash only upon orders given at one time for 50,000 and upwards of Cartridges and Cartridge Cases, which must be of one sort and quality, although the order may be made up of assorted sizes.

PERCUSSION CAPS.

CHEAP, BUT GOOD QUALITY. In Boxes of 500 or 250.

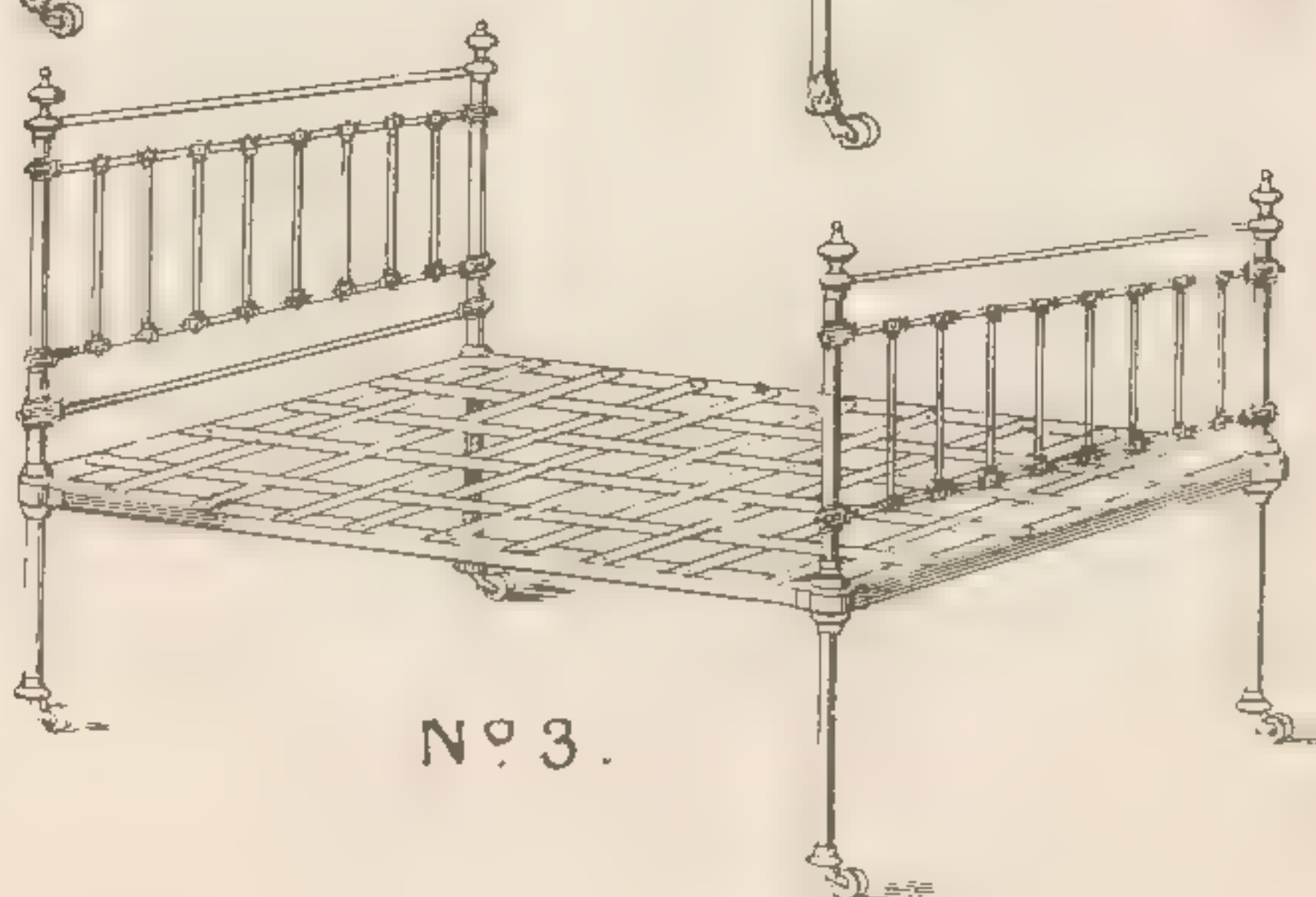
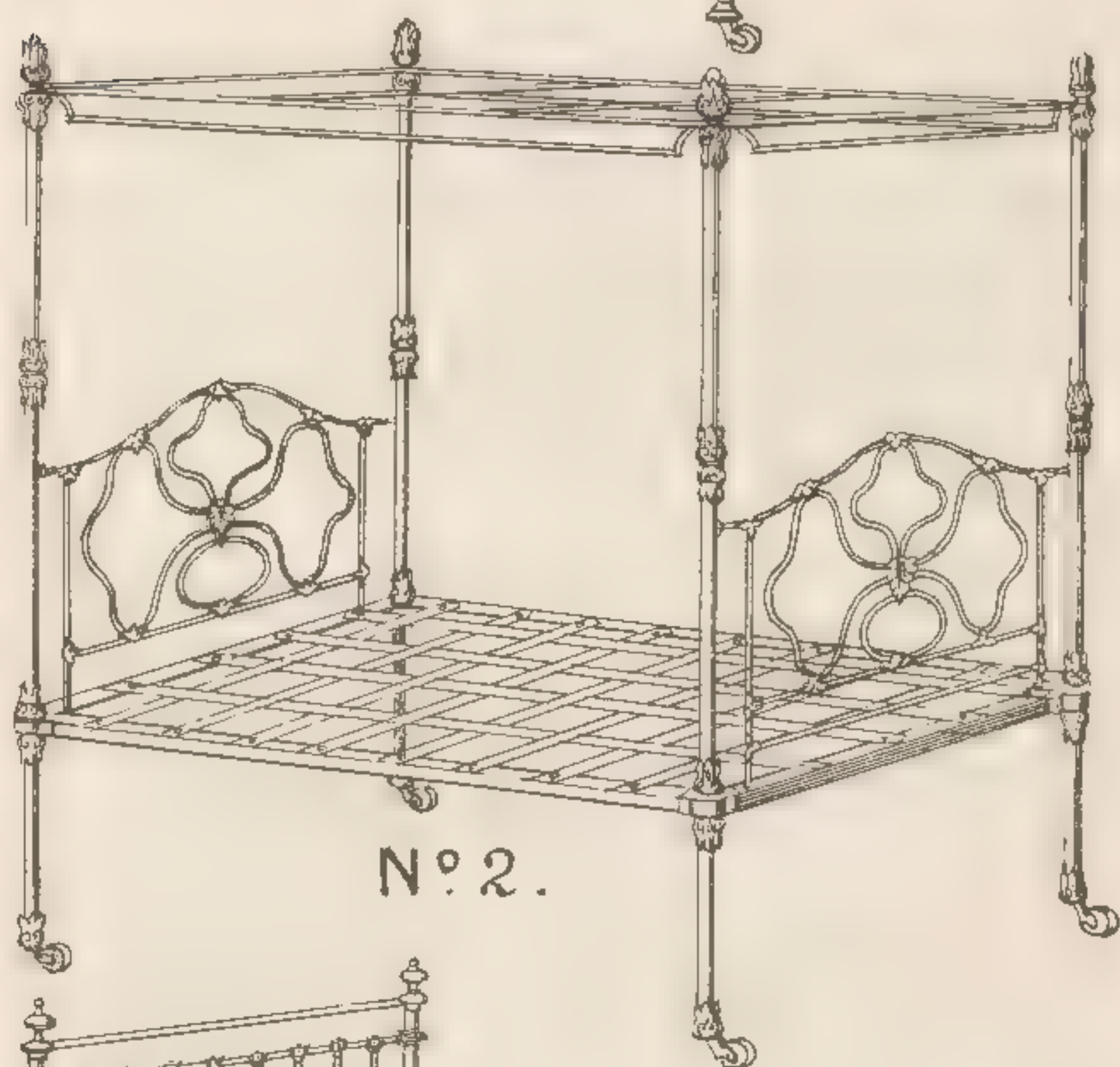
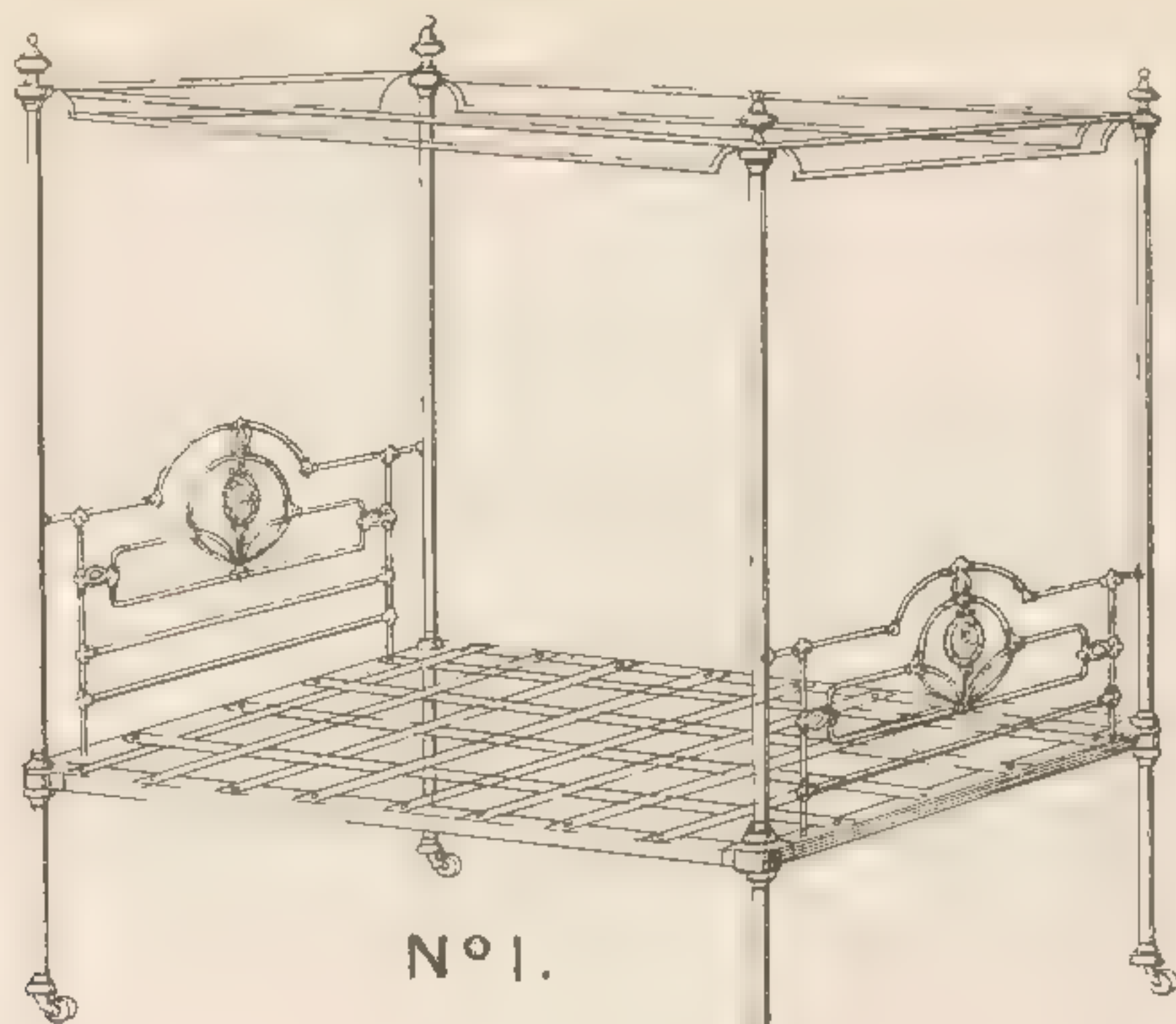
	s.	d.	
Extra Strong Ground Edge Double Waterproof Caps ...	4	0	per 1000
Ditto ditto Central-fire Caps ...	3	6	"
Best Waterproof Ground Edge Caps, Central-fire ...	2	9	"
Extra thick Copper Sporting Caps ...	3	3	"
Best Anti-corrosive Ground Edge Caps ...	2	6	"
Best Foil-lined Ground Edges ...	2	3	"
Improved Patent Foil-lined Caps ...	2	0	"
Anti corrosive Caps ...	1	4	"
Anti Caps ...	1	2	"
Common Anti Caps ...	0	10	"
Ground Edge Percussion Caps ...	1	9	"
Extra Strong Military Caps, for Breech-loading Rifles ...	4	3	"
Best Military Caps, for Enfield Rifles, &c. ...	3	9	"
Second Quality Military Caps ...	2	7	"
Common Military Caps ...	2	0	"
Best Waterproof Revolving Pistol Caps for Colt's and other Revolvers ...	2	8	"
Best Anti-corrosive Revolvers ...	2	2	"
Second Quality Revolving Pistol ...	1	8	"
Common Foil-lined ...	1	9	"
French 5A Caps for Nut Guns ...	1	6	"
Waterproof Military Caps ...	3	3	"
Foil-lined Military Caps ...	2	4	"
Common Military Caps ...	1	11	"

-/3 per 1000 extra in 100 Boxes. Sizes from 43 to 58.

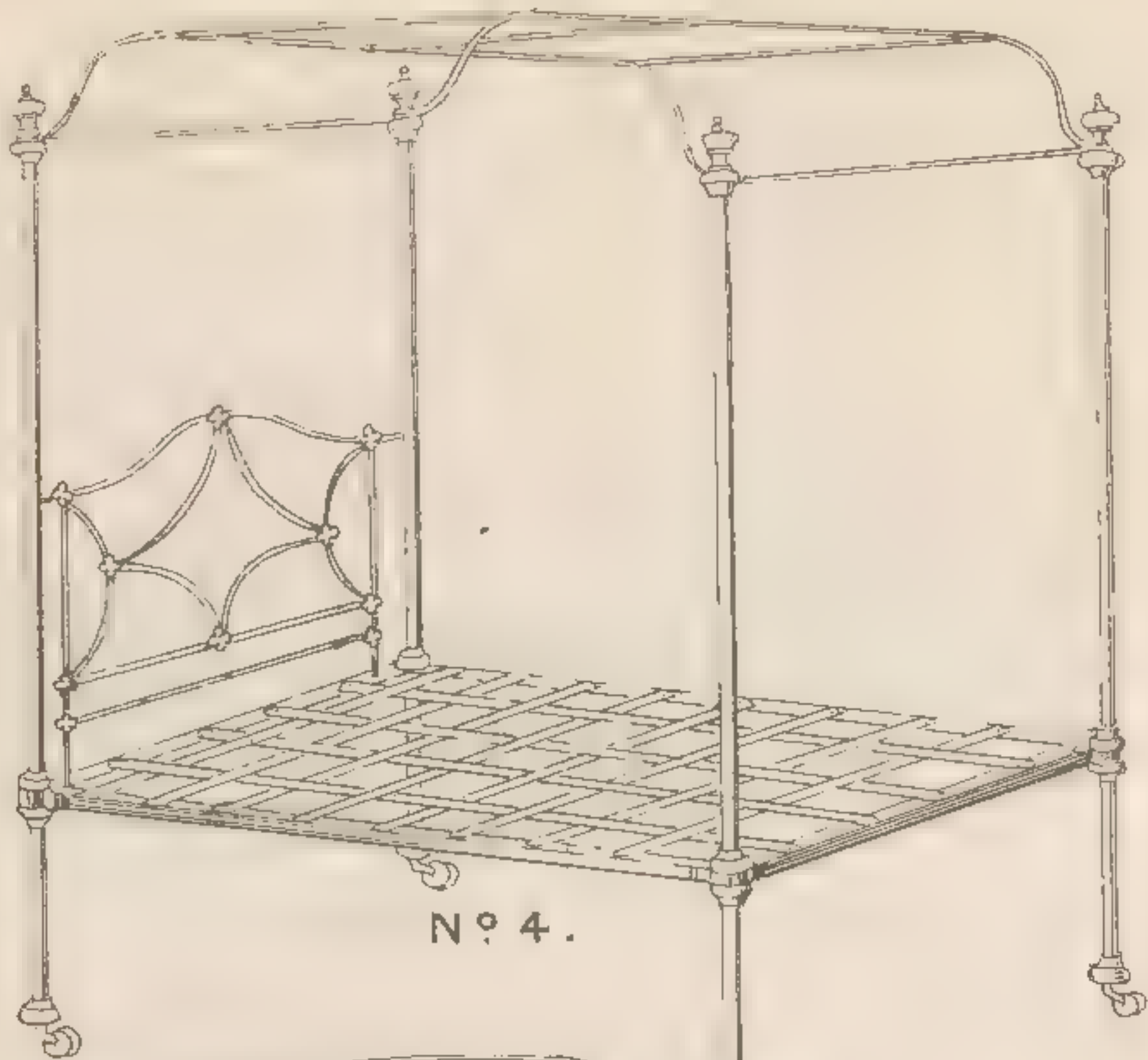
IRON AND BRASS BEDSTEADS.

No.	6ft. 6in. x	3 ft.	3 ft. 6 in.	4 ft.	4 ft. 6 in.	5 ft.
1	FOUR POST— 1 in. pillars, strong rails, ornamented ... 1½ in. pillars 9/-; 1½ in. pillars 13/6; 2 in. taper pillars, 15/6 extra.	...	33/-	34/3	35/6	38/-
2	FOUR-POST— ¾ in. pillars, ornamented, with ornamental brass husks and vases ... 1 in. pillars ... If without brass mounts and with plain vases, £1 14s. 6d. less.	54/- 59/6	55/6 61/-	57/- 62/-	... ...	58/- 63/6
4	TENT— ¾ in. Pillars, plain colours ... With foot rail and ornamentation, 3/8 ex.	17/6	18/-	18/9	19/6	
5	HALF-TESTER— Brass foot rail, with brass pillars, 1½ in. 1 in. Pillars ... 1½ in. iron pillars ... If same foot rail as No. 3, 10/- extra on prices of No. 3, with 1½ in. pillars. If same foot rail as No. 3, with 1 in. pillars, 8/- extra on prices of No. 3, with 1 in. pillars If same foot rail as No. 6, 8/- extra on prices of No. 6.	75/- 52/- 52/-	76/- 53/6 53/6	78/- 55/- 55/-	81/- 57/- 57/-	84/- 60/- 60/-
3	FRENCH— 1½ in. iron pillars, brass mounted rails, 5/8 in. tube polished, with brass top rod, 3/4 in. head and foot ... 1 in. pillars, lighter make, not brass mounted ... If brass head and foot same as No. 5, with 1½ in. pillars ... If brass head and foot, same as No. 5, with 1 in. pillars ...	56/- 19/6 104/- 69/6	57/6 20/- 106/- 71/6	59/- 21/- 109/- 73/9	60/- 21/6 113/- 77/-	118/- 82/-
6	FRENCH— ¾ in. tube pillars and top, ornamented ...	16/9	17/6	18/-	18/9	
7	STUMP— ¾ in. pillars ... If with 1 in. pillars and stronger, 3/6 ex.	9/6	10/-	10/9	11/6	
8	CHILD'S COT— Zinc sides and ends 2 ft. x 4 ft. 25/6 " " 2 ft. 6 in. x 4 ft. 6 in. 28/- If made with canopy for mosquito curtains 6/9 extra. If made with bars instead of zinc 12/6 less.					
9	FOLDING CHAIR— 6 ft. x 2 ft. Opening into a bedstead ... With wool cushions and arms, 10/9 ex. Ditto, extra strong ... With wool cushions and arms, 13/6 ex.	2 ft. 3 in.	2 ft. 6 in.	2 ft. 8 in.	3 ft.	3 ft. 6 in.
10	FOLDING ...	10/6	10/6	...	12/6	14/9
11	CABINET— Capable of being folded into a compact form, as shown in drawing	28/-	30/-	32/-

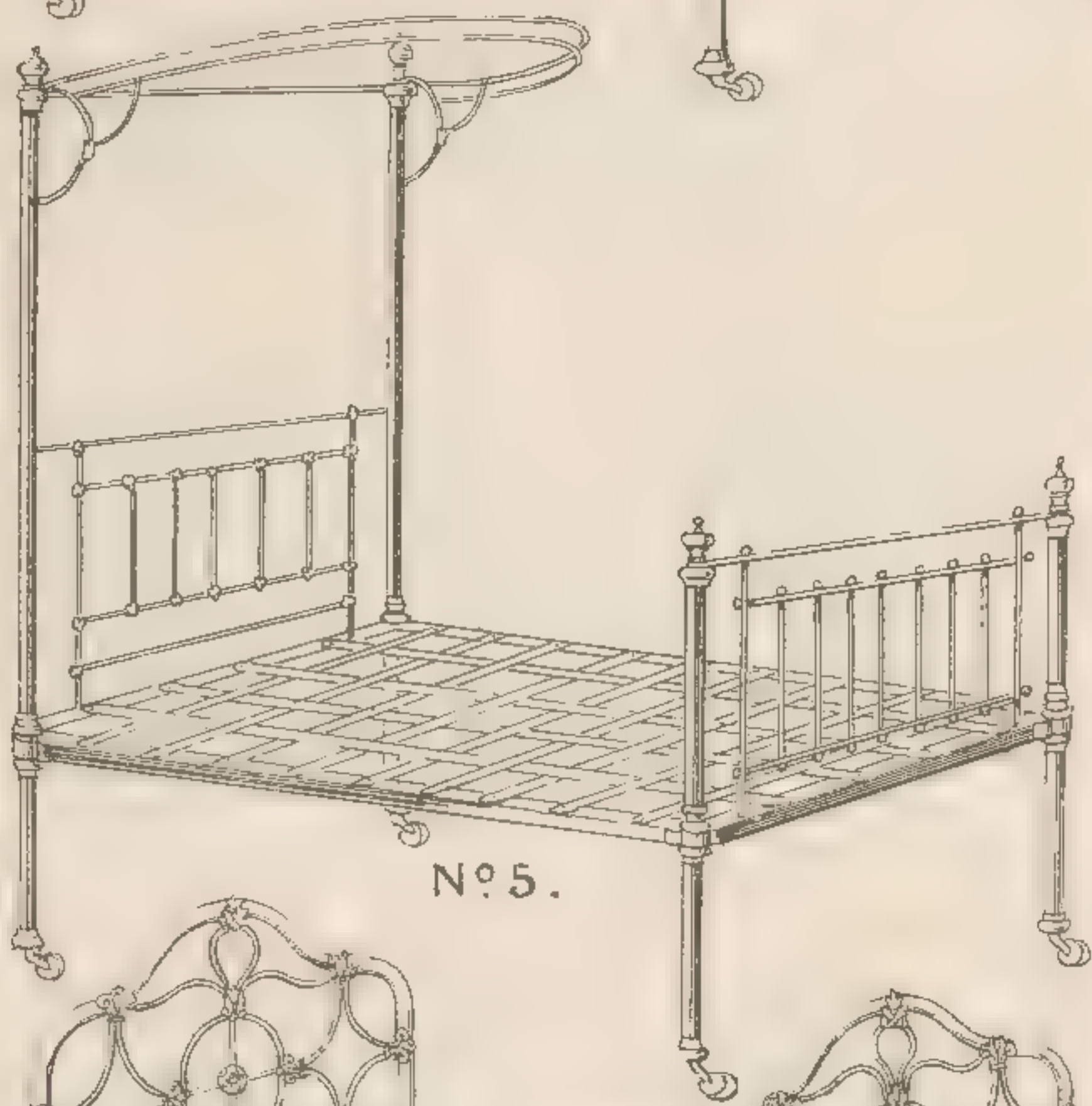
IRON BEDSTEADS.



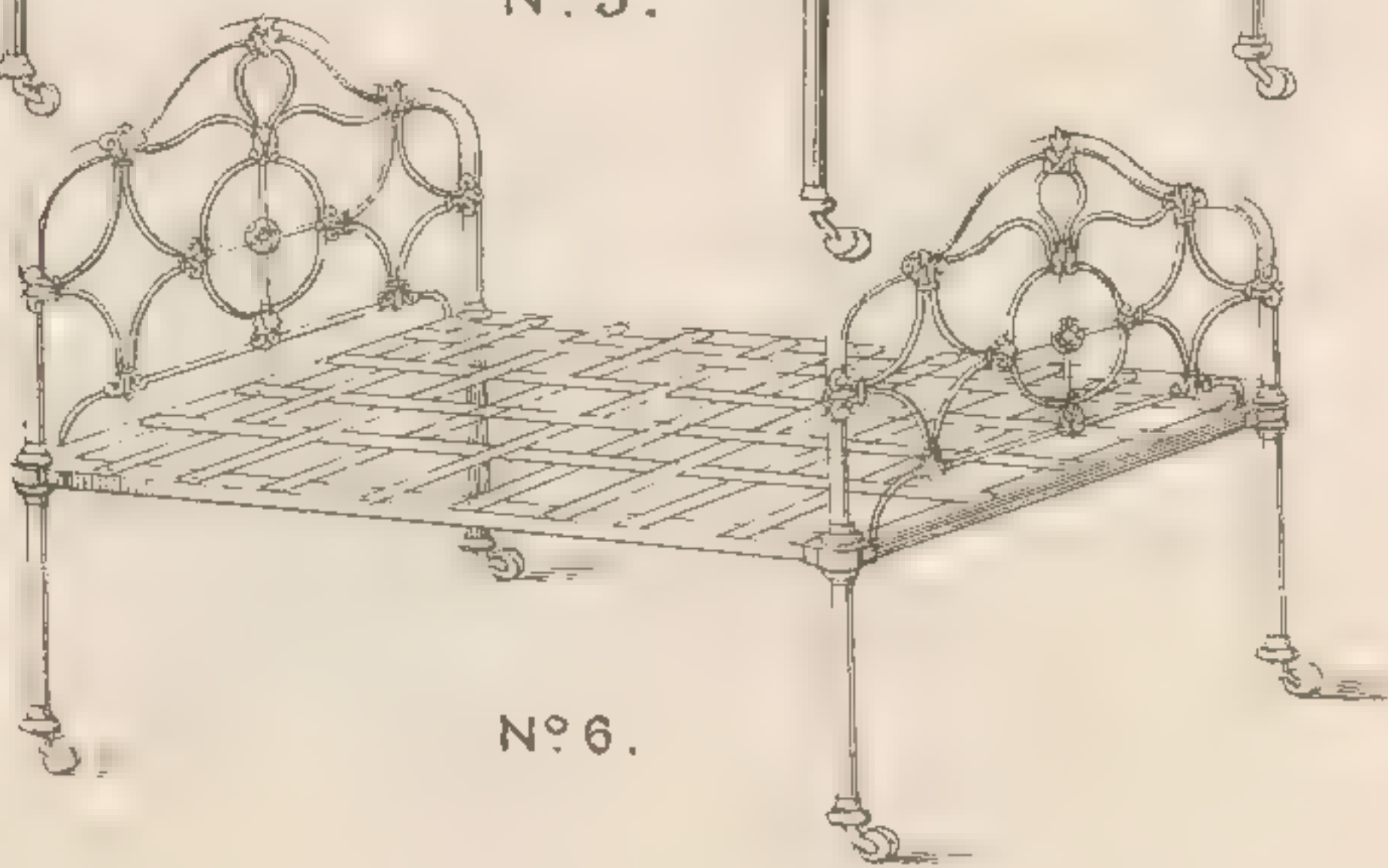
IRON BEDSTEADS.



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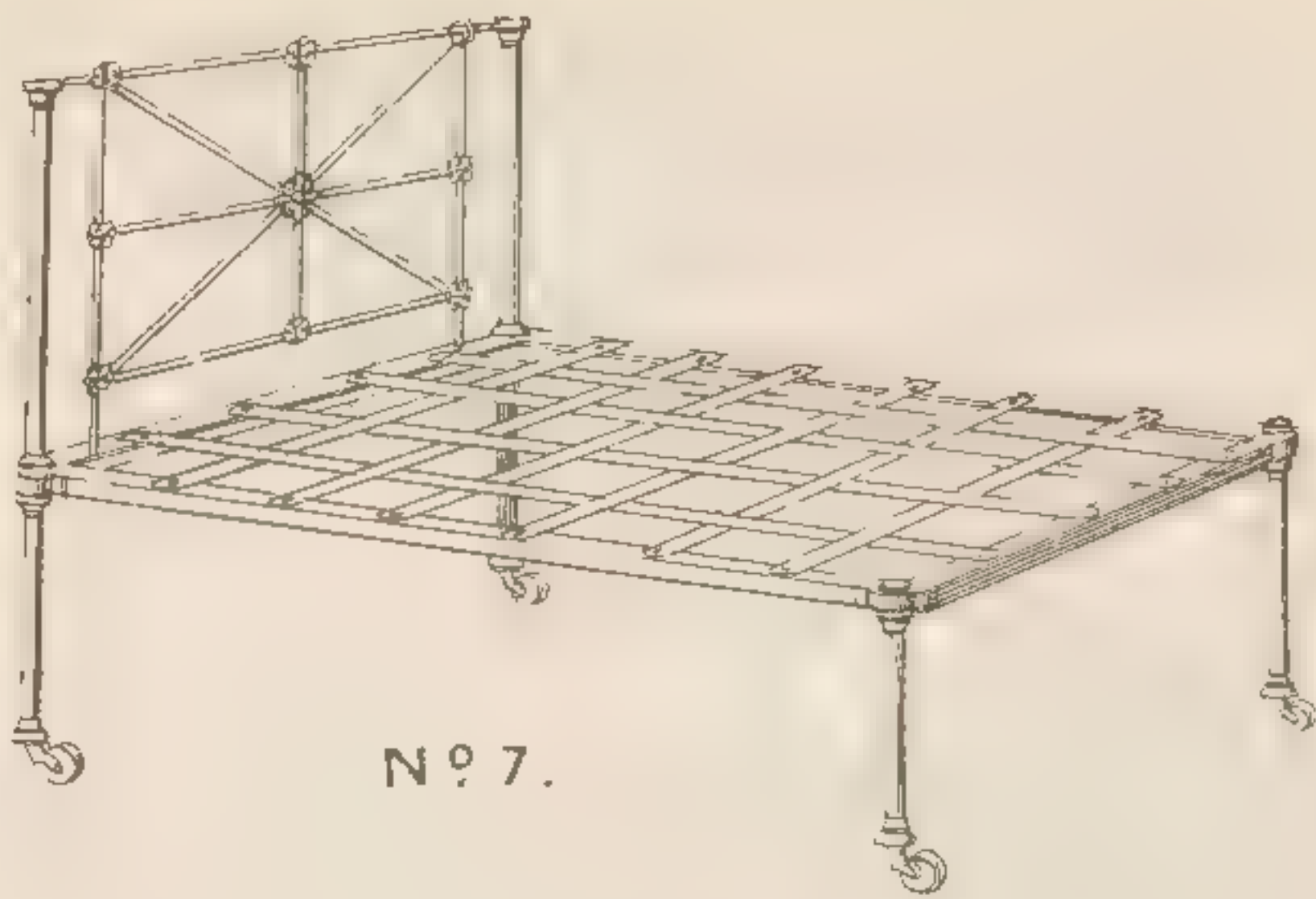


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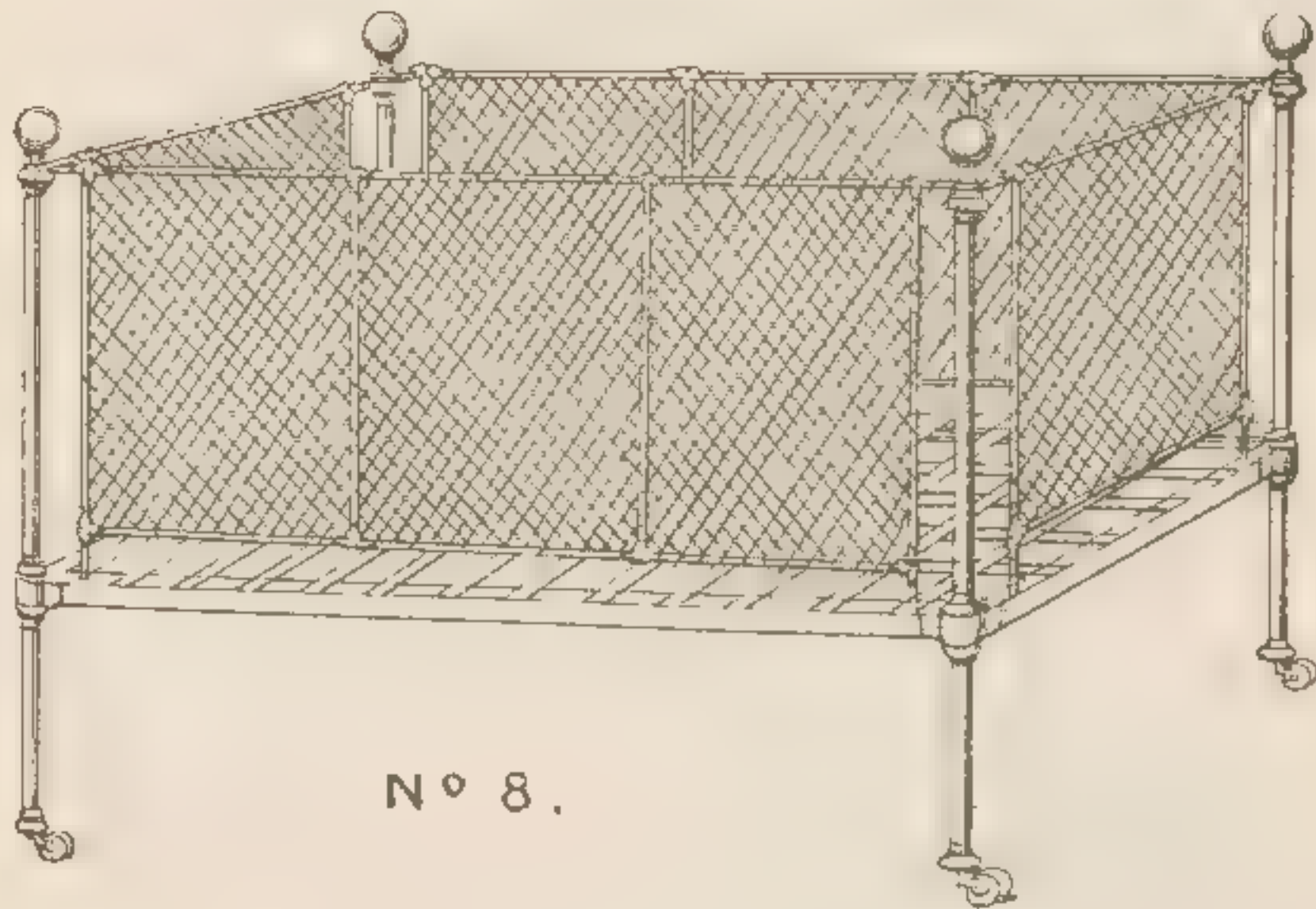


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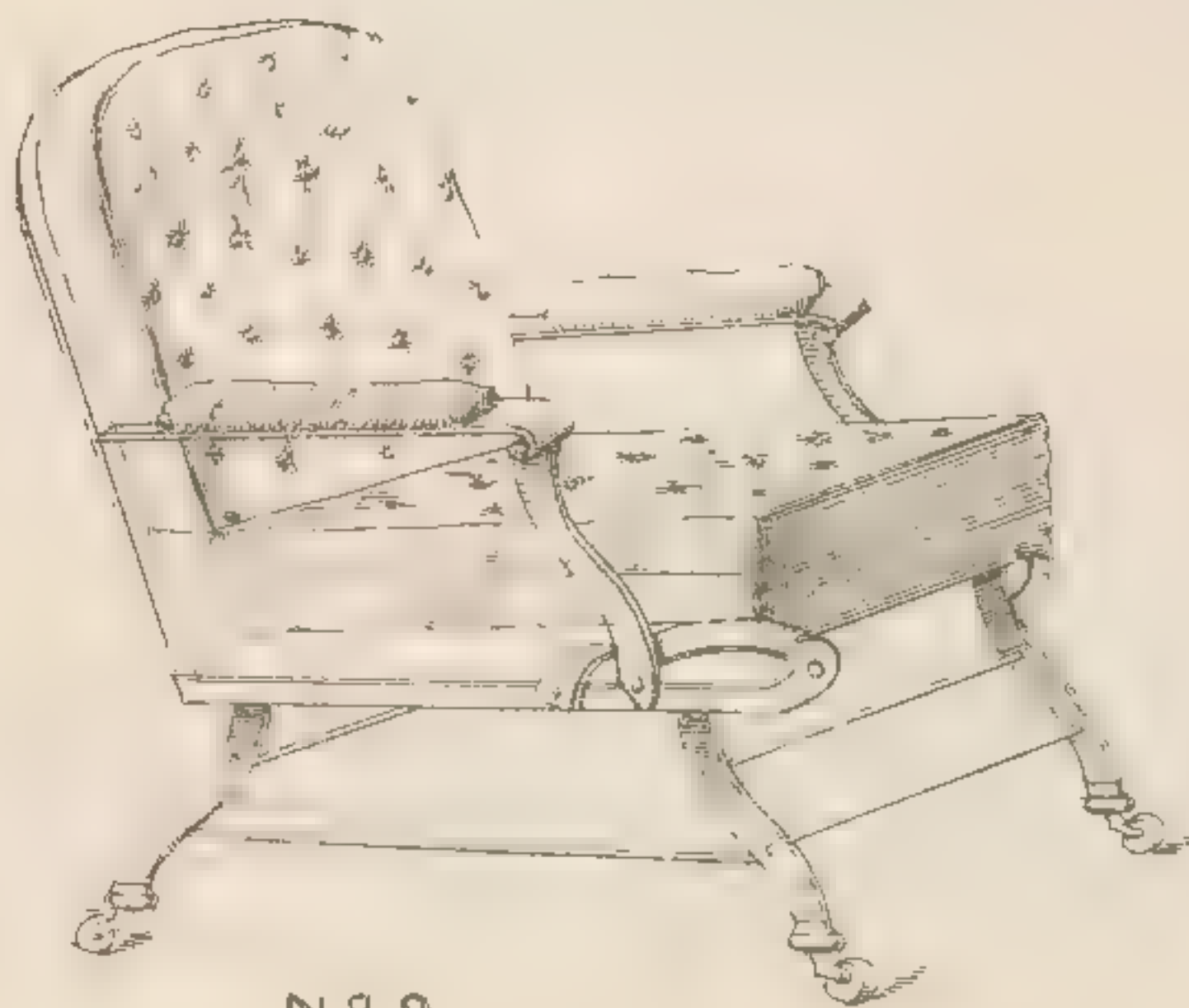
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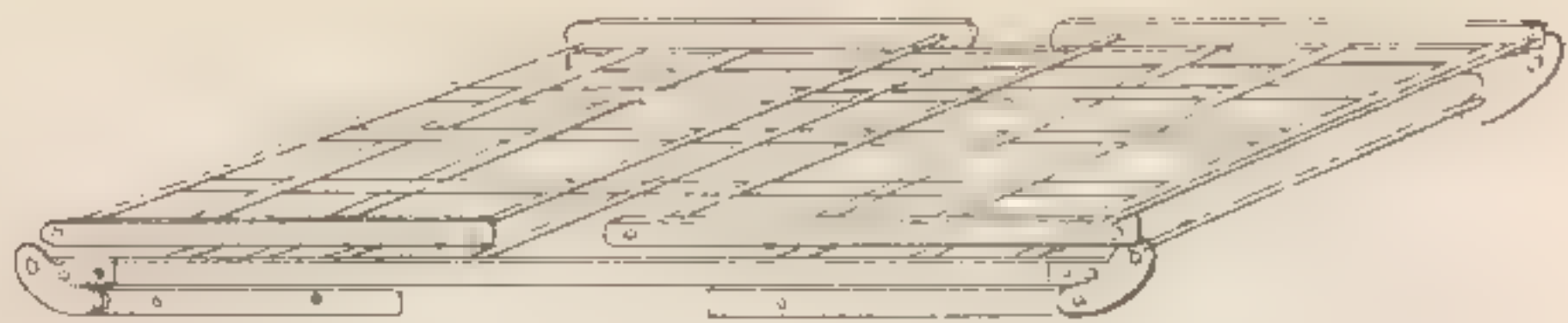


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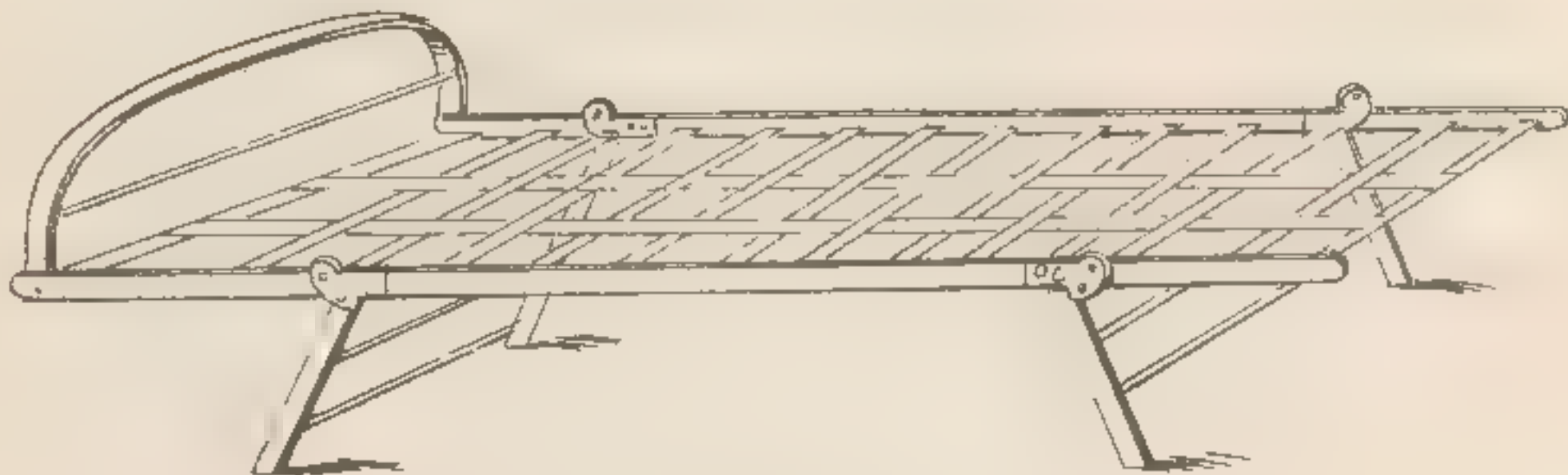


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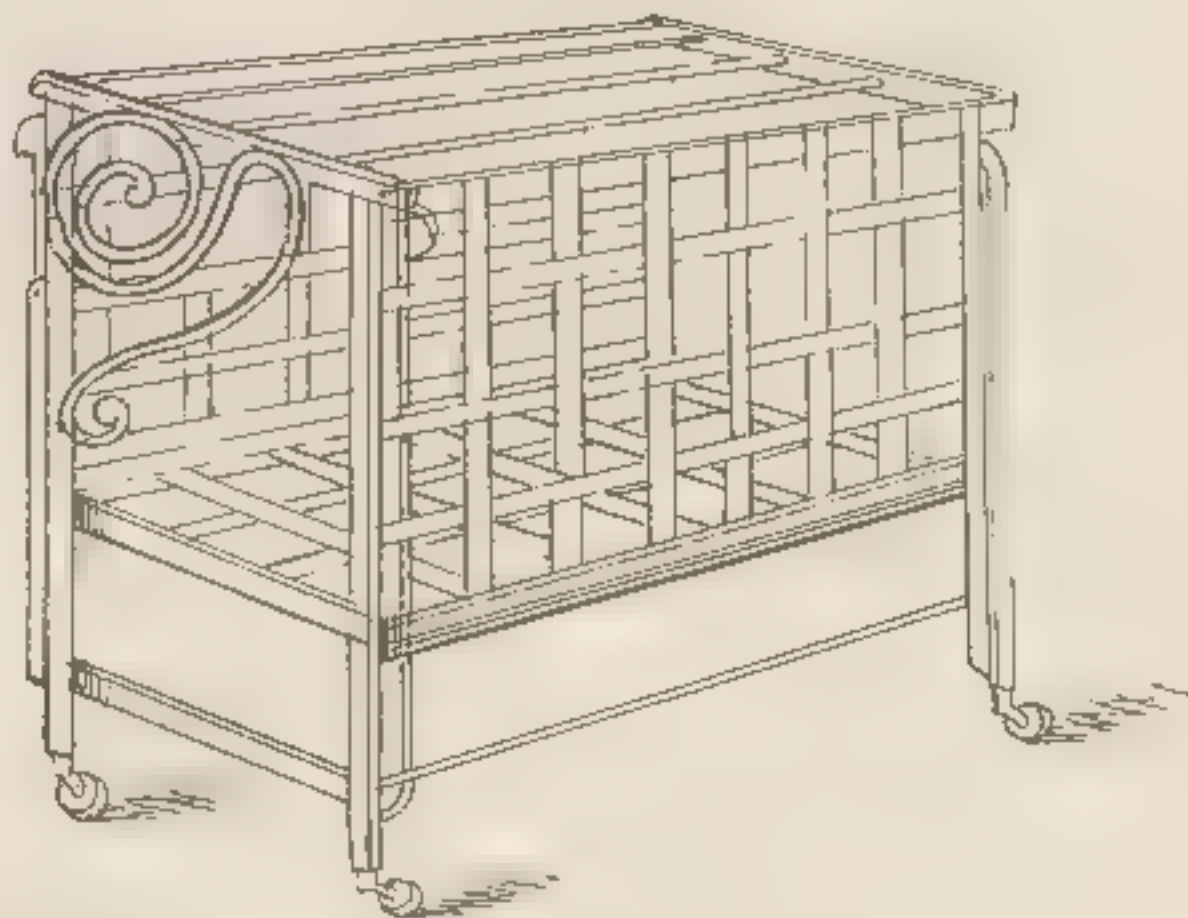
IRON BEDSTEADS.



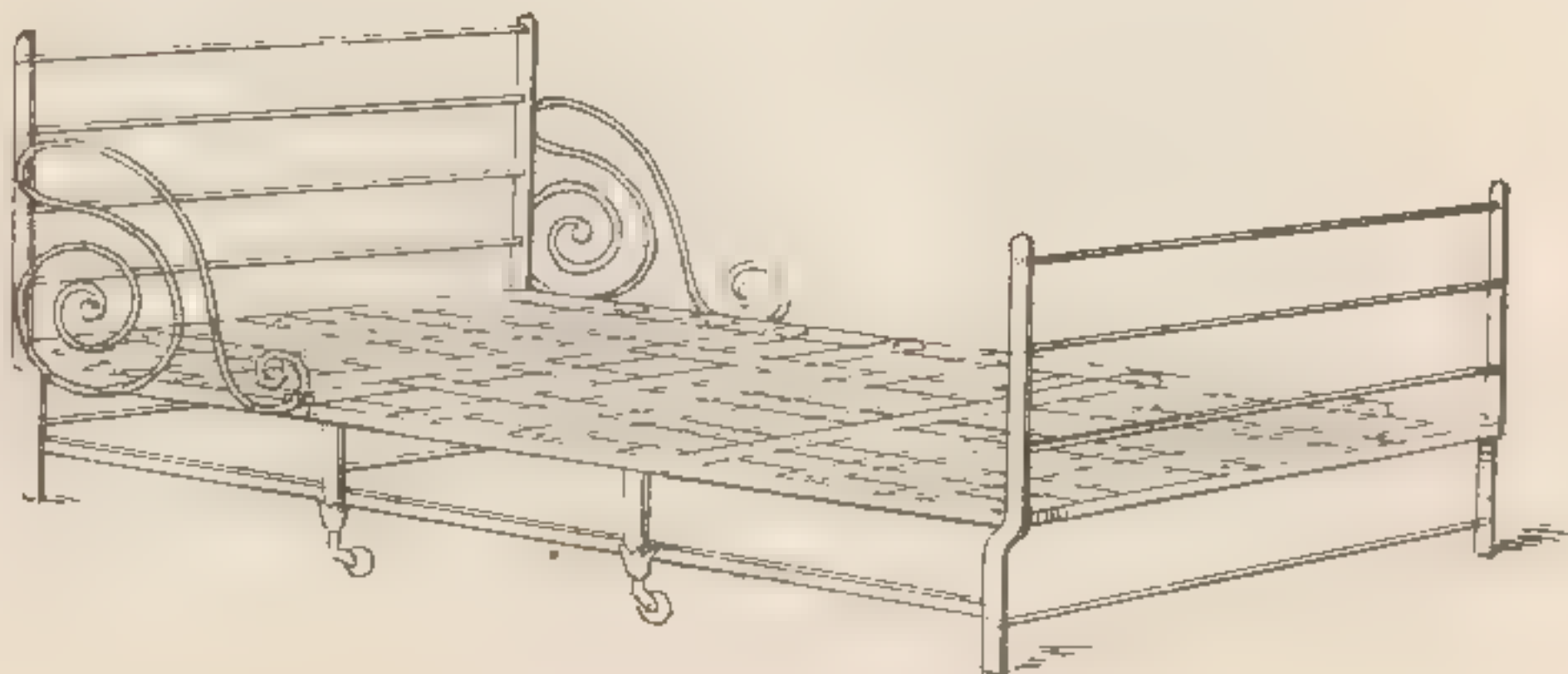
Nº 10, FOLDED.



Nº 10. OPEN.

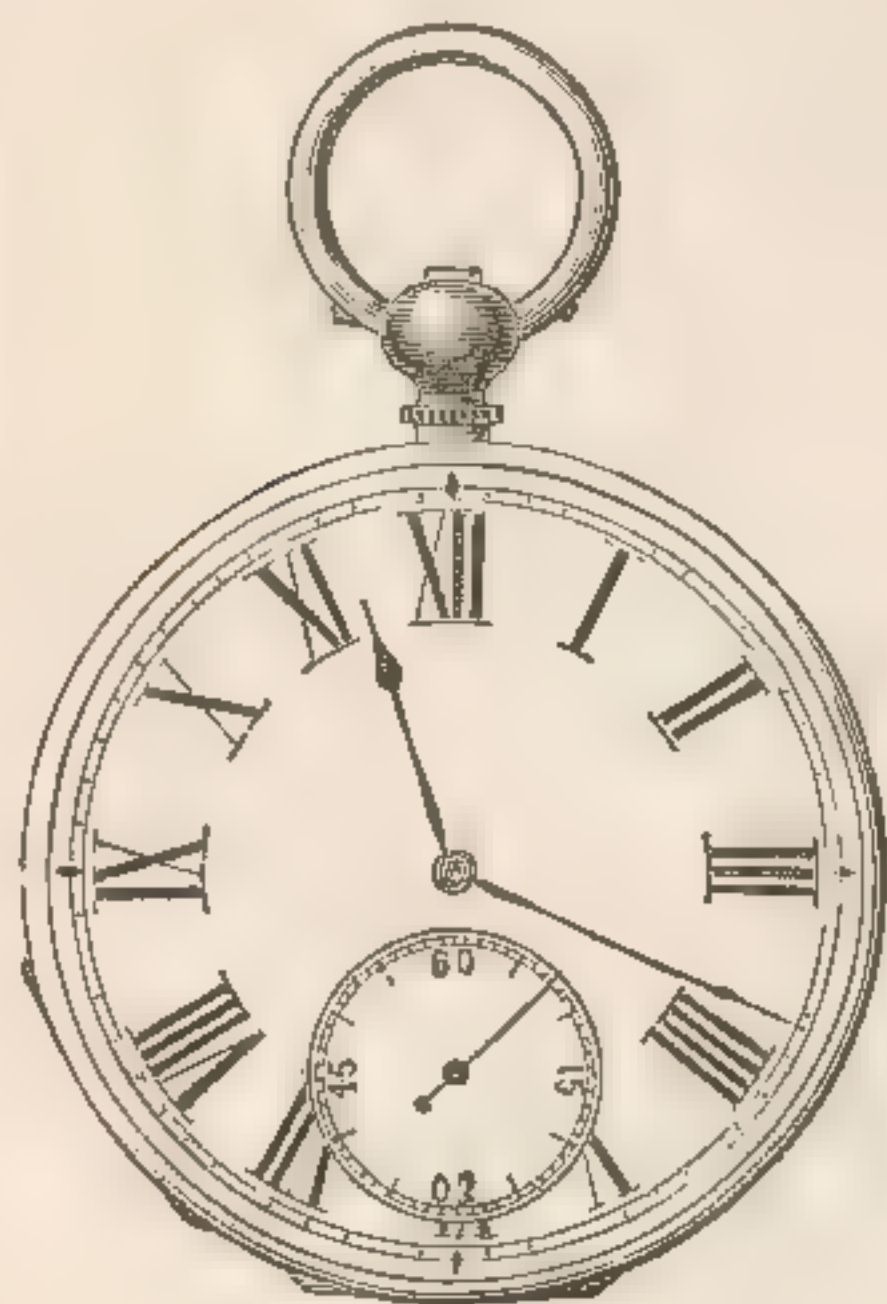


Nº 11. FOLDED.



Nº 11. OPEN.

WATCHES AND CLOCKS.



1



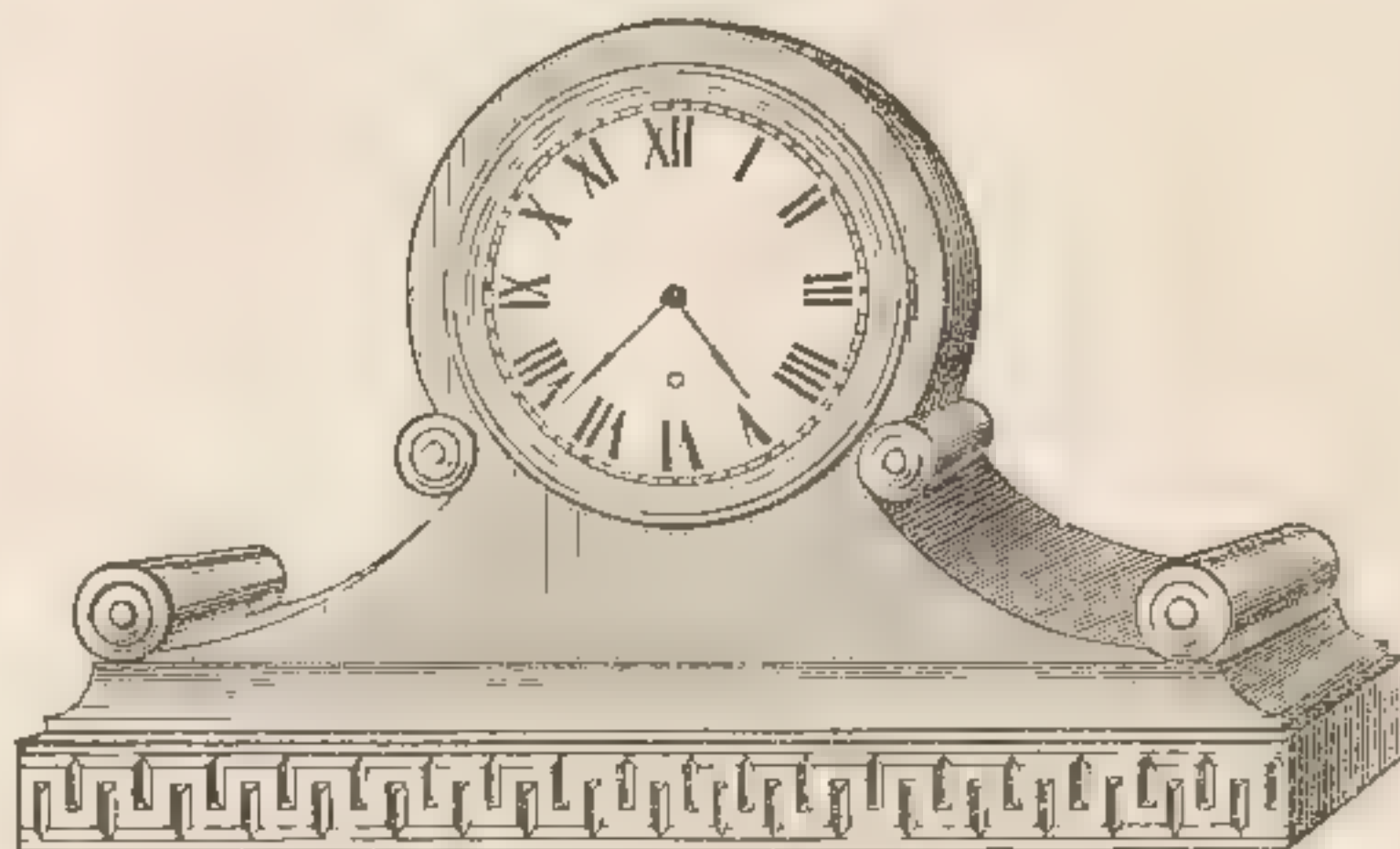
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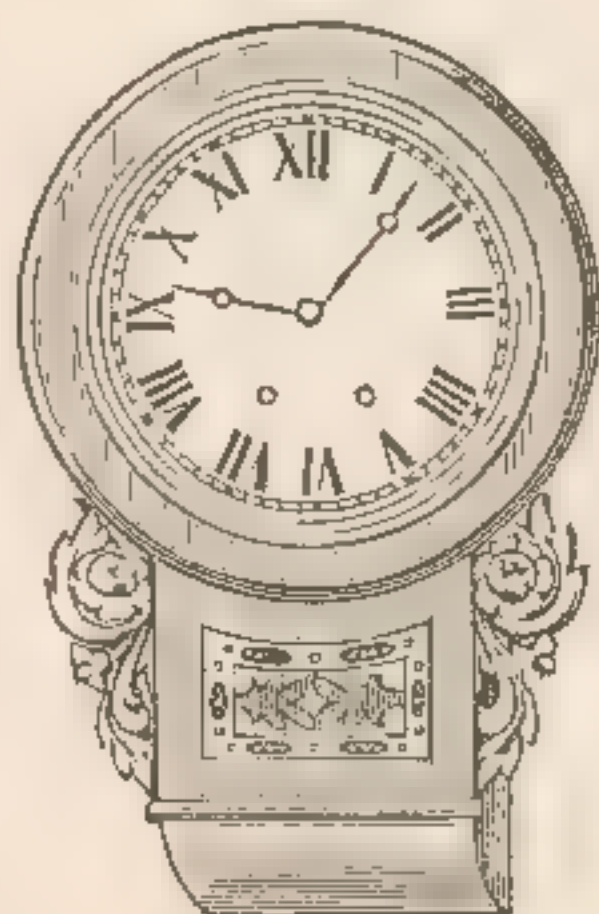
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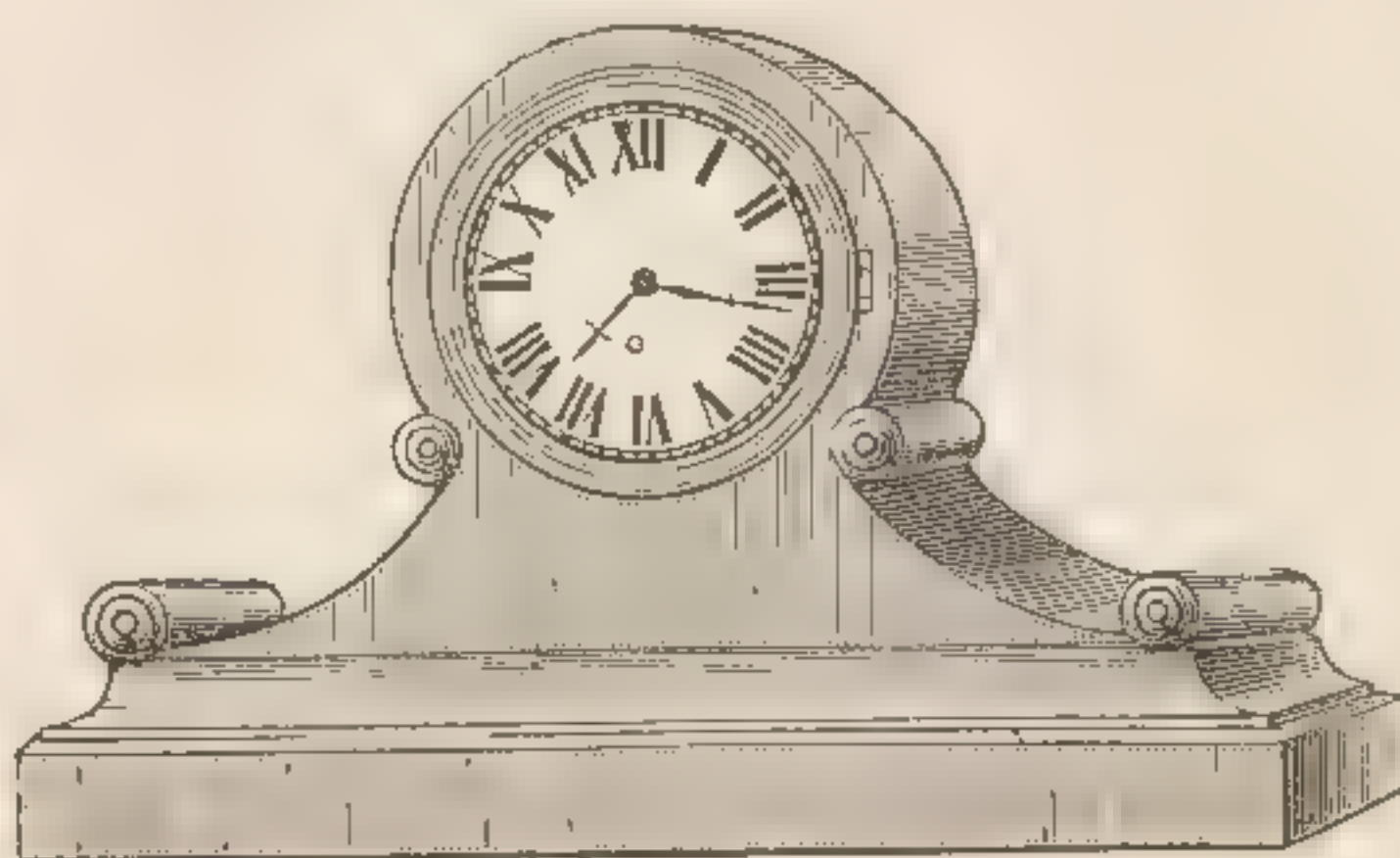
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6



5



7

WATCHES AND CLOCKS.

No. of Drawing.	WATCHES.							
	ENGLISH LEVERS.					£	s.	d.
	The following are of the best make, carefully examined and timed before being sent out, and are guaranteed to go with accuracy :—							
1, 2	Ladies' and Gentlemen's Silver—							
	Jewelled in two holes	...	...	...	...	3	0	0
	Jewelled in four holes	...	...	...	...	3	10	0
	Jewelled in six holes	...	...	...	...	4	0	0
	Highly finished	...	...	...	...	4	10	0
	Three-quarter plate (flat)	...	...	...	...	6	5	0
	Keyless, with compensated balance	...	...	...	...	8	0	0
	Hunter, 12/- extra. Half Hunter, 15/- extra.							
2	Ladies' Gold—							
	Jewelled in two holes	...	...	...	...	6	10	0
	Jewelled in four holes, and better finish	...	...	...	...	8	10	0
	Ditto three-quarter plate	...	...	...	...	10	10	0
	Hunter, 42/- extra. Half Hunter, 52/- extra.							
	Keyless, 63/- extra.							
1	Gentleman's Gold—							
	Medium size, 1 $\frac{7}{8}$ in. dia.	...	...	...	...	10	0	0
	Extra jewelled, heavier case	...	...	...	...	11	10	0
	Ditto three-quarter plate	...	...	...	...	14	0	0
	Ditto compensated balance, heavier case	...	...	...	...	17	0	0
	Hunter and Half Hunter, 42/- to 63/- extra.							
	Keyless, 63/- extra.							

FOREIGN WATCHES.

The following is a list of prices of French, Swiss, German, and American makes. It will be seen that they are cheaper than the English. The Silver Watches over 25/-, and, of Gold Watches, the Ladies' over £2 10s., and the Gentlemen's over £3, are examined and regulated, and the more expensive ones guaranteed. Those below these prices are set going and tried (and rejected if they do not go) at an extra charge of 1/- each.

	Lines*				
Alluminium		Open face	No dome, paper dial	...	9/-
"		"	With dome ditto	...	9 9
"		Crystal glass	Ditto ditto	...	10/-
"		"	Keyless	...	14/2
White Metal		Open face	With dome, enamel dial	...	11/2
"		Crystal glass	Crystal glass back, keyless	...	15/6
The above can only be had at these prices in boxes of half a dozen each.					
Alluminium do. or White Metal	21	Open face	Ladies' or Gentlemen's	...	13/6
		Hunter	Ditto	...	22/-
"	16 to 18	} Crystal glass }	Glass or metal back, keyless		18/6
"	18				
Silver	or 19	} Open face }	Metal dome, four jewels		15/6
"	16				
"	16	Crystal glass	Ladies' ditto	...	16/6
			Ditto ditto	...	17/6

* 18 lines = 1 $\frac{1}{2}$ inches.

WATCHES AND CLOCKS (continued).

FOREIGN WATCHES.

Silver	18 or 19	Open face	Silver dome, 4 jewels	...	...	...	17 6
"	"	Hunter	Ditto ditto	...	...	...	21 1/2
"	18	Open face	Ditto strong cases, 3/4 plate, 8 jewels	...	...	...	25 6
"	19	"	Ditto ditto ditto	...	...	...	26 6
"	18	Crystal glass	Ditto ditto ditto	...	...	...	28 -
"	19	"	Ditto ditto ditto	...	...	...	29 -
"	18	Hunter	Ditto ditto ditto	...	...	...	30 -
"	19	"	Ditto ditto ditto	...	...	...	31 -
"	15	Open face	Ladies' silver dome, 8 jewels	...	...	...	22 1/2
"	"	Crystal glass	Ditto ditto and flowers painted on dial	...	...	...	25 -
"	"	Half Hunter	Ladies' engraved	...	...	...	28 -
"	17	Hunter	Ladies' or Gentlemen's Patent Lever, nickel movement	...	...	...	35 -
"	18	Crystal glass	Patent Lever, 3/4 plate	...	...	...	28 1/2
"	19	"	" Keyless, and sets hands	...	...	...	50 -
"	19	"	" "Railway Timekeeper," Patent Lever, very strong cases	...	...	...	60 1/2
"	20	Hunter	Improved Keyless, Patent Lever	...	...	...	90 -
			This Watch is of excellent workmanship, and cannot be overwound.				
"	18 or 20	Open face	"Boston Lever," all silver	...	...	...	19 1/2
"	20	Hunter	Ditto ditto	...	...	...	26 6
"	18	Crystal glass	Ditto ditto better quality	...	...	...	30 1/2
Gold	15	Open face	14ct. Ladies' metal dome, silver gilt dial, 4 jewels	...	...	...	35 1/2
"	16	"	14ct. ditto, 8 jewels	...	...	...	40 -
"	"	Crystal glass	14ct. ditto ditto, 4 jewels, stronger cases	...	...	...	50 -
"	17	Open face	14ct. ditto ditto, ditto	...	...	...	52 1/2
"	"	"	14ct. ditto do. 8 jewels, middle strong cases	...	...	...	60 -
"	"	Crystal glass	14ct. ditto ditto, ditto	...	...	...	65 -
"	18	Open face	14ct. metal dome, ditto	...	...	...	63 -
"	"	Crystal glass	14ct. ditto ditto	...	...	...	67 -
"	19	Open face	14ct. ditto 4 jewels, light cases	...	...	...	48 -
"	"	"	14ct. ditto 8 jewels, middle strong cases	...	...	...	60 -
"	"	Crystal glass	14ct. ditto ditto	...	...	...	66 -
"	15	Open face	18ct. Ladies', metal do. 4 jewels, light cases	...	...	...	42 -
"	"	"	18ct. ditto do. 8 jewels, middle strong cases	...	...	...	52 1/2
"	"	Open face	18ct. ditto ditto, silver gilt dial, 8 jewels, stronger cases	...	...	...	60 -
"	"	Crystal glass	18ct. ditto ditto ditto	...	...	...	72 -
"	"	Open face	18ct. ditto, gold dome and dial, ditto	...	...	...	84 -
"	"	Crystal glass	18ct. ditto ditto	...	...	...	95 -
"	16	Open face	18ct. ditto, metal dome, silver gilt dial, 8 jewels, middle strong cases	...	...	...	50 -
"	"	Crystal glass	18ct. ditto, ditto stronger cases	...	...	...	75 1/2
"	"	Open face	18ct. ditto, gold dome and dial, ditto	...	...	...	85 -
"	"	Crystal glass	18ct. ditto ditto	...	...	...	95 -
"	17	Open face	18ct. metal dome, silver gilt dial, 8 jewels, middle strong cases	...	...	...	60 -
"	"	"	18ct. ditto ditto stronger cases	...	...	...	70 -
"	"	Crystal glass	18ct. ditto ditto	...	...	...	75 -

WATCHES AND CLOCKS (continued).

FOREIGN WATCHES.

Gold	17	Open face	18ct. gold dome and dial, 8 jewels, stronger cases	95/-
"	18	"	18ct. metal dome and silver gilt dial, 8 jewels, middle strong cases...	63 -
"	"	"	18ct. ditto ditto stronger cases	75 -
"	"	Crystal glass	18ct. ditto ditto ditto ...	78 -
"	"	Open face	18ct. gold dome and dial ditto ...	100/-
"	19	"	18ct. metal dome and silver gilt dial, 8 jewels, middle strong cases...	65/-
"	"	"	18ct. ditto ditto stronger cases	80 -
"	"	Crystal glass	18ct. ditto ditto ditto ...	82 -
"	"	Open face	18ct. gold dome and dial ditto ...	105 -
"	16	"	14ct. Ladies' metal dome and silver gilt dial Patent Lever, light cases	55 -
"	17	"	14ct. ditto ditto ditto ...	57/-
"	18	Crystal glass	14ct. ditto ditto, middle strong cases	63 -
"	19	Open face	14ct. Gentlemen's ditto, light cases ...	56 -
"	"	Crystal glass	14ct. ditto ditto, middle strong cases	70 -
"	"	"	18ct. ditto gold dome enamel dial, strong do.	145 -
"	"	"	18ct. ditto, gold dome, enamel dial, Patent Lever, nickel movement, strong cases	150/-
"	20	Open face	14ct. ditto metal dome, silver gilt dial, Patent Lever, light case	60 -
"	21	"	14ct. ditto ditto ditto ...	63 -
"	"	"	14ct. ditto ditto middle strong cases	65 -
"	18	Hunter	14ct. metal dome, enamel dial, Patent Lever, middle strong cases	84/-
"	19	"	14ct. ditto ditto ditto ...	86 -
"	18	"	18ct. gold dome ditto ditto ...	132 -
"	19	"	18ct. ditto ditto ditto ...	136 -
"	15	"	18ct. gold dome, enamel dial, 8 jewels, strong cases	98 -
"	"	Half-Hunter	18ct. ditto ditto ditto ...	100 -
"	12	Crystal glass	18ct. Ladies' gold dome, enamel dial, 8 jewels, keyless and sets hands ...	124/-
"	13	"	18ct. ditto ditto ditto ...	124/-
"	12	"	18ct. ditto gold dome and dial, ditto ...	132 -
"	13	"	18ct. ditto ditto ditto ...	132 -
"	15	Half-Hunter	18ct. ditto ditto ditto ...	156 -
"	19	Hunter	18ct. ditto Patent Lever ditto ditto ...	200 -
"	14	Crystal glass	18ct. gold dome, enamel dial, seconds, Patent Lever, enamel back	140/-
"	16	Hunter	18ct. gold dome, enamel dial, stronger cases, Patent Lever	120 -
"	15	Half-Hunter	18ct. gold dome, enamel dial, Lady's Locket Watch, strong cases, keyless and sets hands, best quality, nickel movement	200/-
"	19	Hunter	18ct. gold dome, enamel dial, best quality Lever, nickel movement	180/-
"	"	"	18ct. all gold, heavy cases, Chronograph, nickel movement, best quality, keyless and sets hands, independent centre seconds	£28.

WATCHES AND CLOCKS (continued).

No. of Drawing	CLOCKS.				SILENT.	STRIKING.
3	Wood case, American movement	...	...		18/-	21/-
	Ditto French ditto	...	...		28/-	38/-
	Marble case, ditto ditto	...	...		55/-	70/-
	Square wood case, French movement	...	...		20/-	30/-
	Square marble case, ditto	...	...		30/-	42/-
	Square wood case, ditto bob pendulum	...	...		15/-	
	Same if scroll pattern, 3/- more.					
4	Wood case, American movement	...	...		21/-	24/-
5	Ditto ditto	...	...		15/-	18/-
6	Ditto ditto	...	...		25/-	28/-
7	Ditto ditto	...	...		22/-	25/-
	Ditto French movement	...	...		32/-	45/-
	Marble case, ornamented, French movement	...	...		55/-	68/-
	Brass Drums, 7/6, 8/9, 9/6, 10/6. Alarums, 4/- extra.					
	Brass Time Pieces with horizontal escapement (no pendulum), to go in any position, 12/6 14/- 16/- Alarums, 4/- extra.					

MUSICAL BOXES.

No. of Tunes.	Length of Barrel.	SMALL POCKET BOXES.				EACH.		
						£	s.	d.
1	2 in.	Fancy japanned round tin case, with handle	...	...	...	0	4	9
2	2 1/2	Self-acting, in horn case	...	...	...	0	12	9
3	2 3/4	Ditto ditto	...	...	...	0	18	6
4	2 3/4	Ditto ditto	...	...	...	1	3	6
2	2 1/2	Rosewood or walnut case, fancy inlaid, or carved rustic pattern	...	...	...	0	13	9
3	3	Ditto ditto ditto	...	...	...	1	0	6
4	3	Ditto ditto ditto	...	...	...	1	5	0
3	3	Cedar or mahogany case, best quality	...	...	...	1	1	0
4	3	Ditto ditto ditto	...	...	...	1	7	6
LARGE TABLE BOXES,								
GLASS COVERS AND PATENT WINDERS.								
4	5 1/2	Inlaid rosewood case	...	...	...	2	12	6
6	8	Ditto ditto	...	...	...	3	12	6
8	10 1/2	Ditto ditto	...	...	...	4	10	0
10	12	Ditto ditto	...	...	...	6	7	6
12	12	Ditto ditto	...	...	...	7	5	0
Imitation rosewood about 10 per cent. less.								
4	5 1/2	Inlaid rosewood case, best quality music	...	...	...	3	3	0
6	8	Ditto ditto ditto	...	...	...	4	6	0
8	11	Ditto ditto ditto	...	...	...	5	17	6
10	13	Ditto ditto ditto	...	...	...	7	10	0
12	13	Ditto ditto ditto	...	...	...	8	5	0
6	11	Mandoline	...	...	...	7	0	0
8	13	Ditto	...	...	...	9	9	0

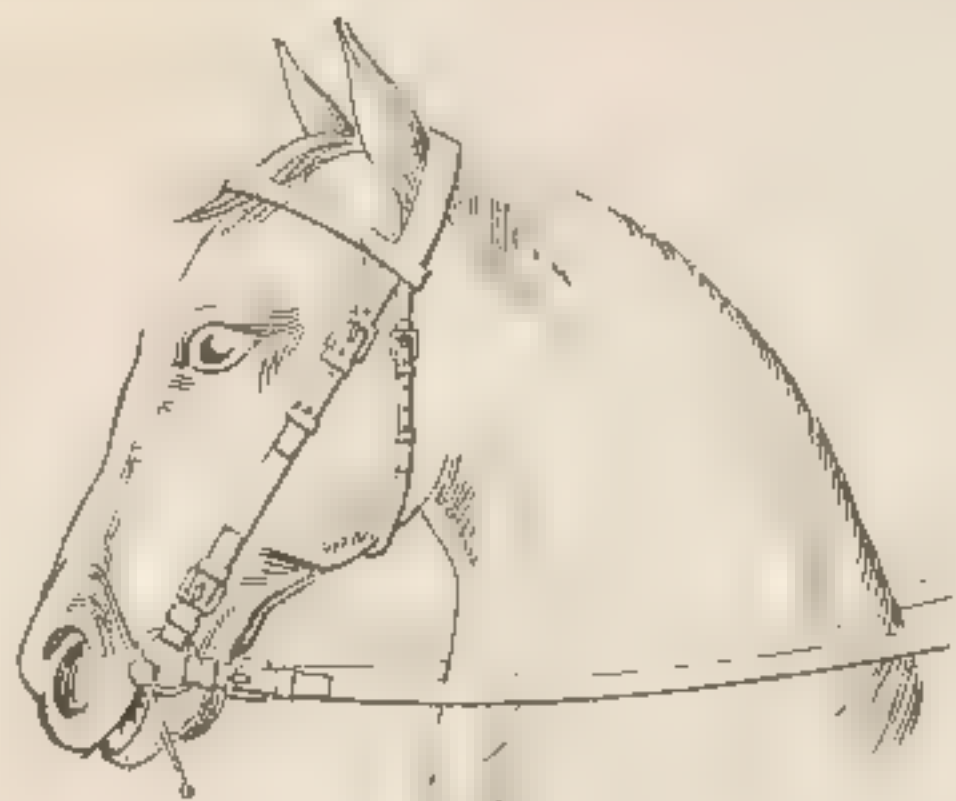
MUSICAL BOXES (continued).

LARGE TABLE BOXES.

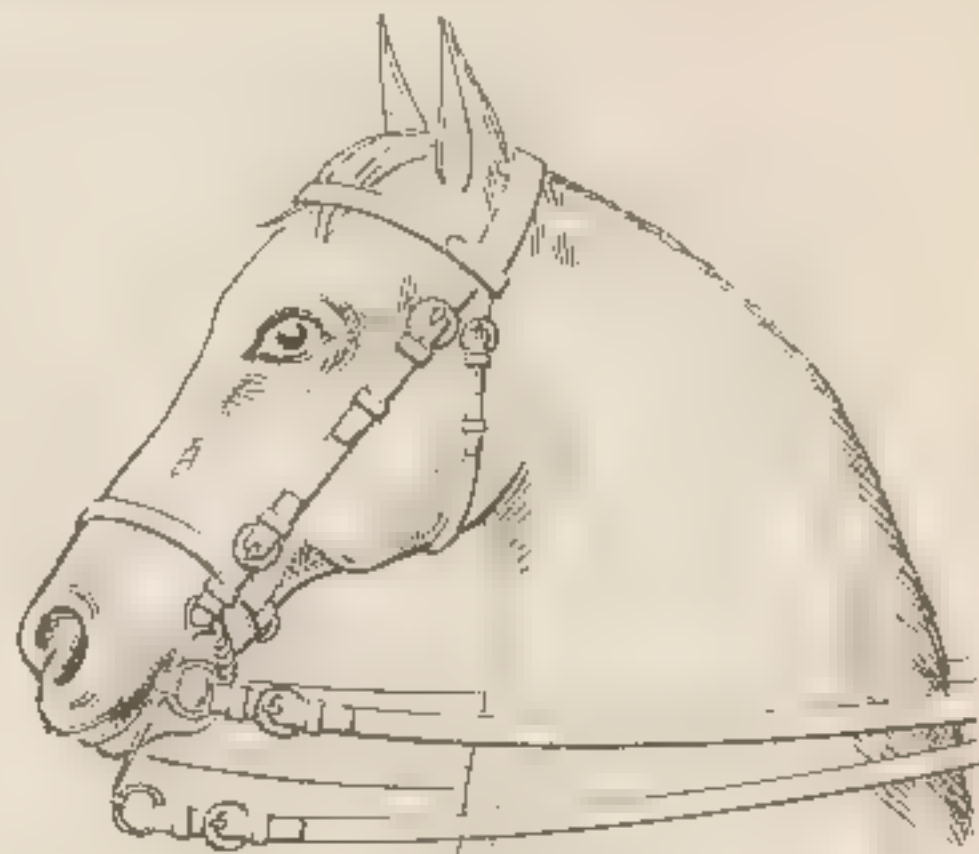
No. of Tunes.	Length of Barrel.		EACH.		
			£	s.	d.
6	10	Mandoline, 6 bells in sight, plain or engraved...	9	10	0
8	10	Ditto ditto ditto ...	10	10	0
8	12	Ditto ditto ditto ...	10	15	0
8	12	Ditto 9 bells in sight ...	11	11	0
10	12	Ditto ditto ...	12	15	0
10	14	Ditto 6 bells in sight ...	12	10	0
12	15	Ditto ditto ...	14	0	0
12	12	Ditto 9 bells in sight ...	14	0	0
6	10	Ditto drum and bell accompaniment, invisible	9	10	0
6	12	Ditto ditto ditto ditto ...	10	0	0
8	12	Ditto ditto ditto ditto ...	10	10	0
10	14	Ditto ditto ditto ditto ...	13	0	0
12	16	Ditto ditto ditto ditto ...	14	0	0
6	10	Ditto drum, bell and castagnettes, invisible	10	10	0
6	12	Ditto ditto ditto ditto ...	11	5	0
8	12	Ditto ditto ditto ditto ...	12	0	0
8	14	Ditto ditto ditto ditto ...	13	0	0
10	14	Ditto ditto ditto ditto ...	14	0	0
12	16	Ditto ditto ditto ditto ...	15	0	0
6	10	Ditto drum and bells, visible	12	5	0
6	12	Ditto ditto ditto ...	12	15	0
8	12	Ditto ditto ditto ...	14	0	0
8	14	Ditto ditto ditto ...	15	10	0
10	14	Ditto ditto ditto ...	15	15	0
10	16	Ditto ditto ditto ...	18	0	0
12	16	Ditto ditto ditto ...	19	0	0
6	10	Ditto drum, bells and castagnettes, visible...	14	0	0
8	12	Ditto ditto ditto ditto ...	15	5	0
10	14	Ditto ditto ditto ditto ...	17	10	0
12	15	Ditto ditto ditto ditto ...	19	15	0
6	10	Ditto Flute, voix celeste accompaniment ...	13	5	0
8	13	Ditto ditto ditto ditto ...	16	10	0
10	15	Ditto ditto ditto ditto ...	19	15	0
4	10	Overture Boxes, large size barrel ...	13	5	0
6	12	Ditto ditto ditto ...	16	5	0
Zitter Boxes, which can be changed from the tone of the usual boxes to an exact imitation of the harp and zitter—					
6	8	Zitter ...	5	10	0
8	10	Ditto ...	7	5	0
10	12	Ditto ...	8	10	0
12	12	Ditto ...	9	9	0
6	11	Mandoline expressive Zitter ...	8	8	0
8	13	Ditto ditto ditto ...	10	10	0
Large Table Boxes, standing on legs, made of the choicest walnut wood, handsomely inlaid with tulip and other fancy woods, and pro- vided with a drawer for holding the extra barrels—					
24		3 cylinders ...	32	0	0
36		Ditto ...	40	0	0

SADDLERY AND HARNESS.

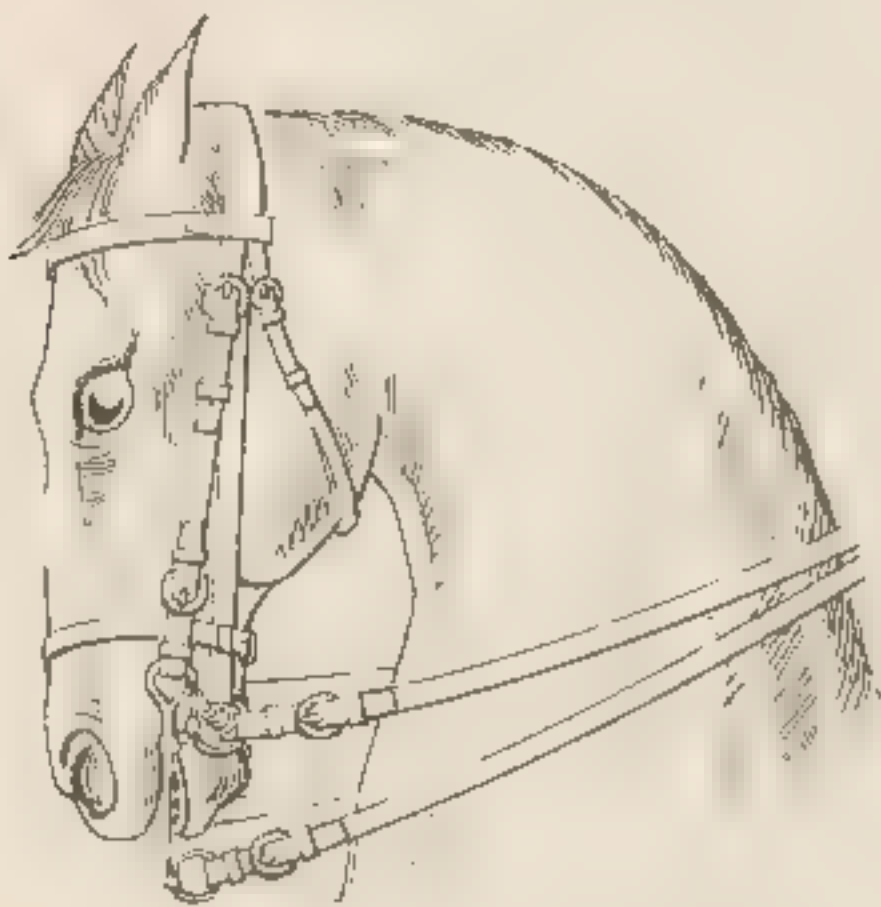
(BRIDLES &c)



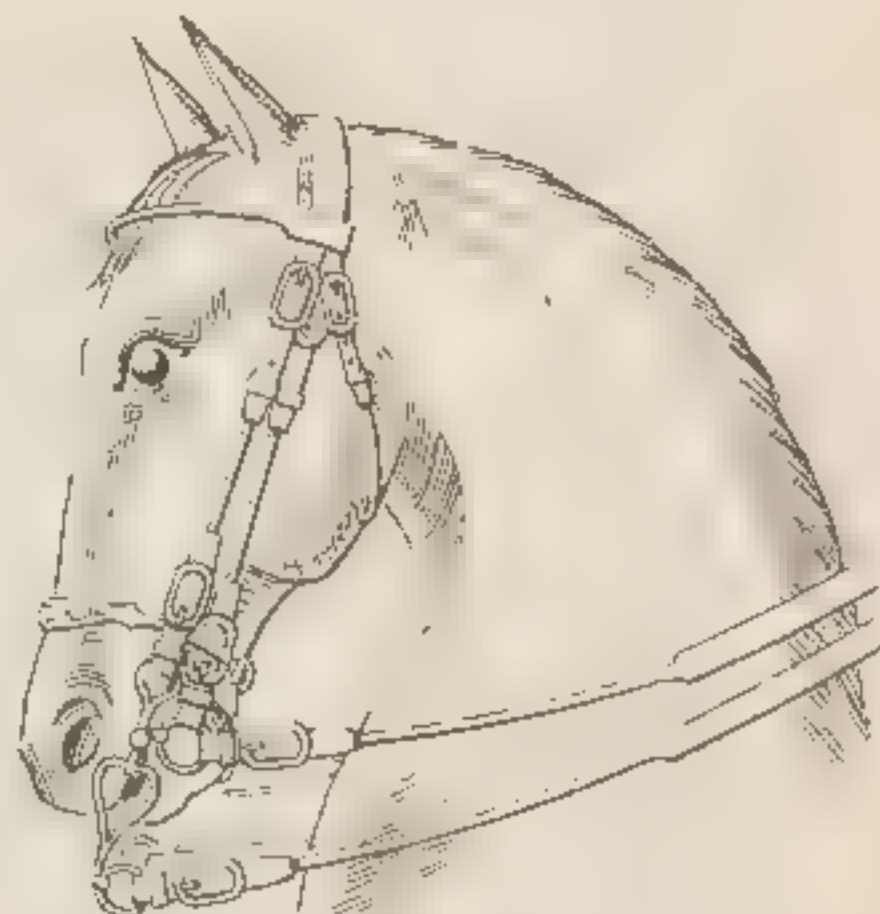
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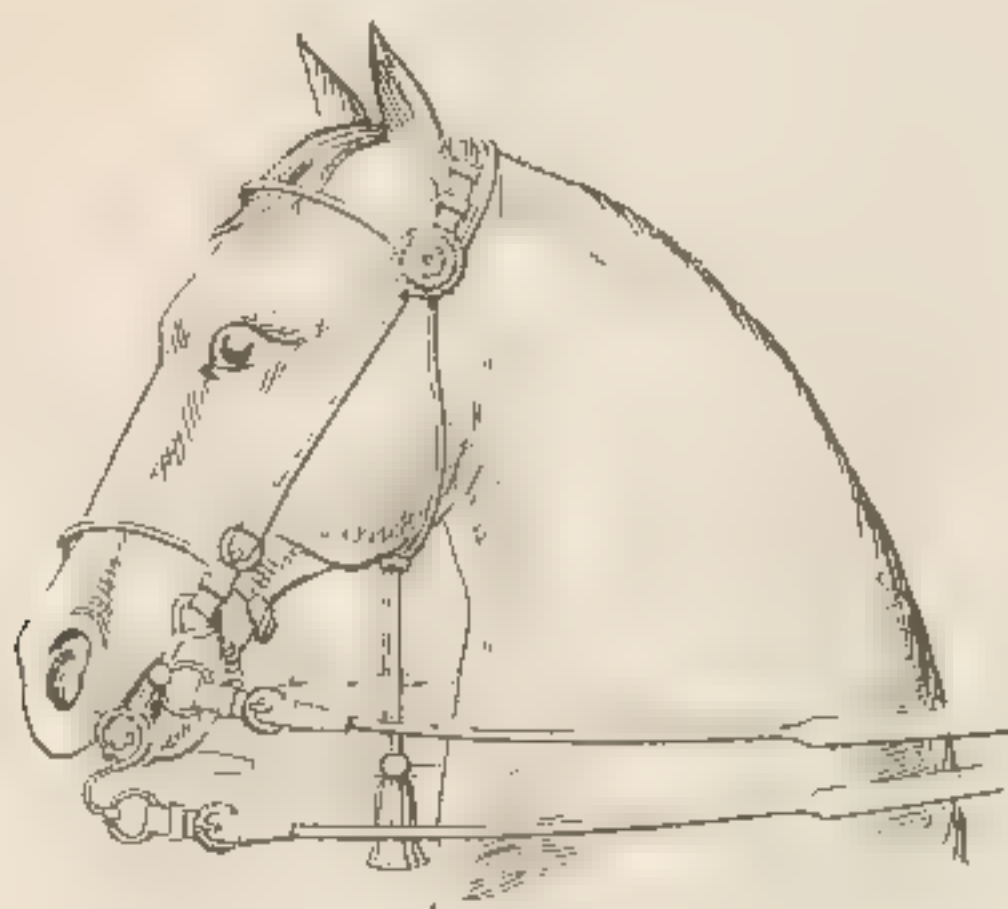
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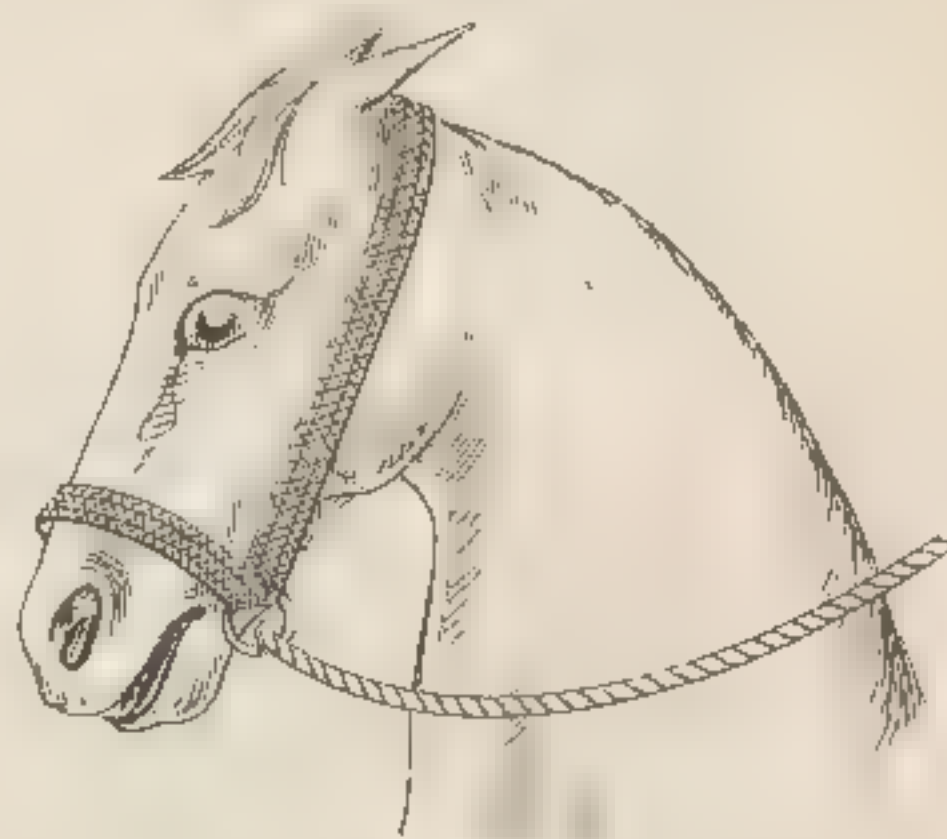
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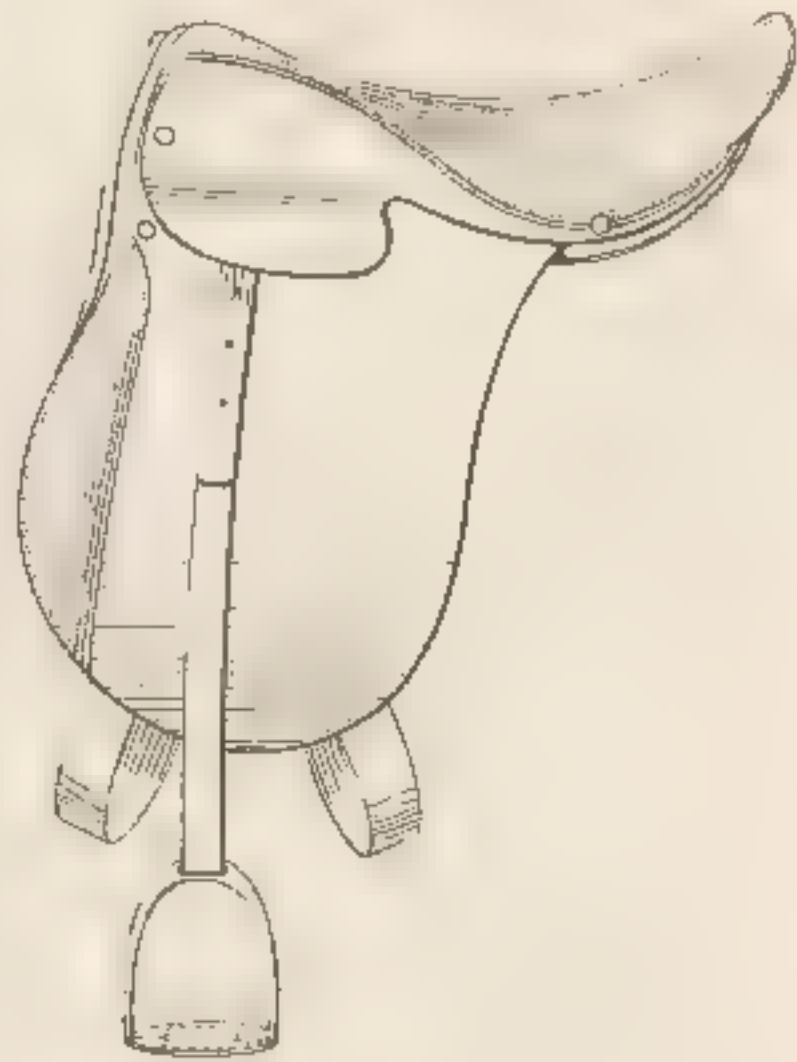
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SADDLERY AND HARNESS.

(SADDLES.)



9.



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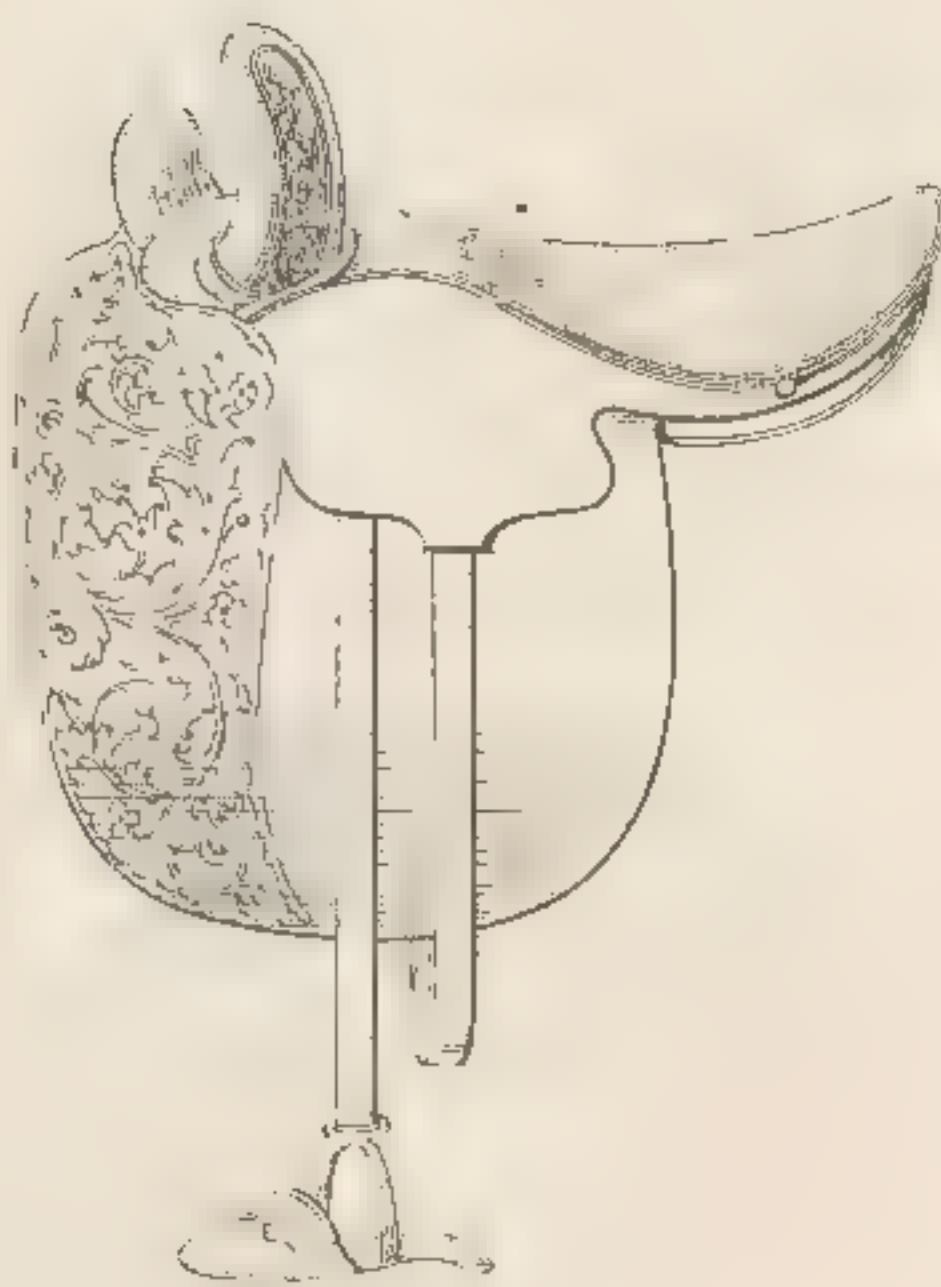
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14.

SADDLERY AND HARNESS

(SADDLE FURNITURE.)

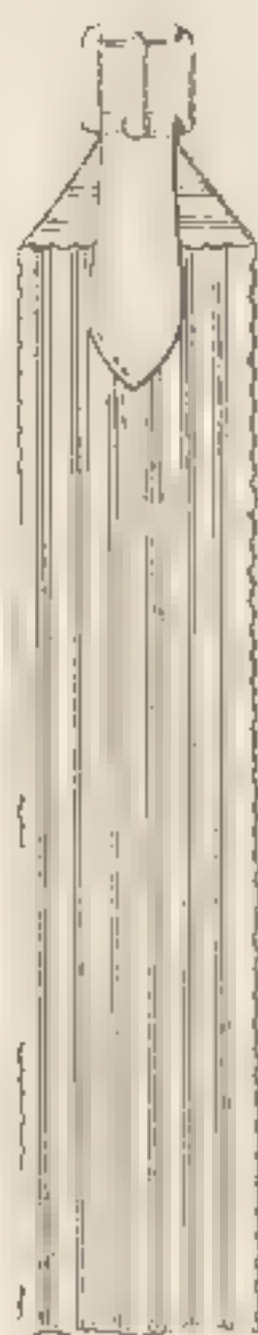


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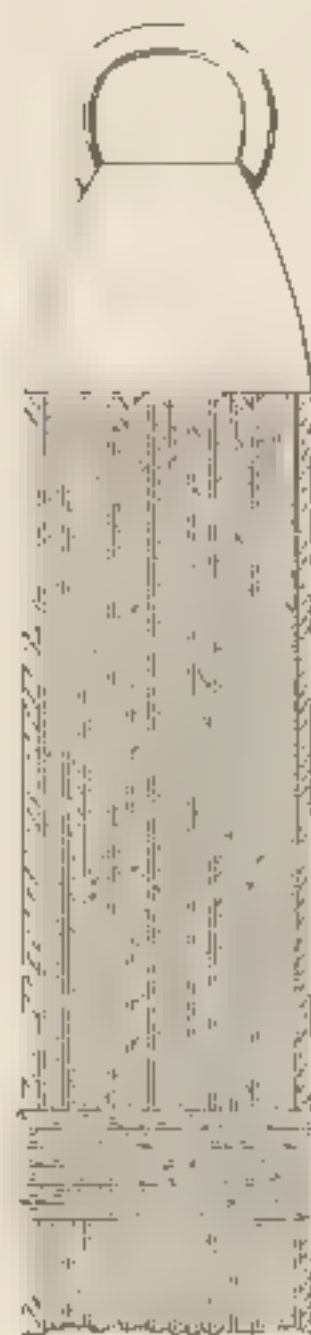
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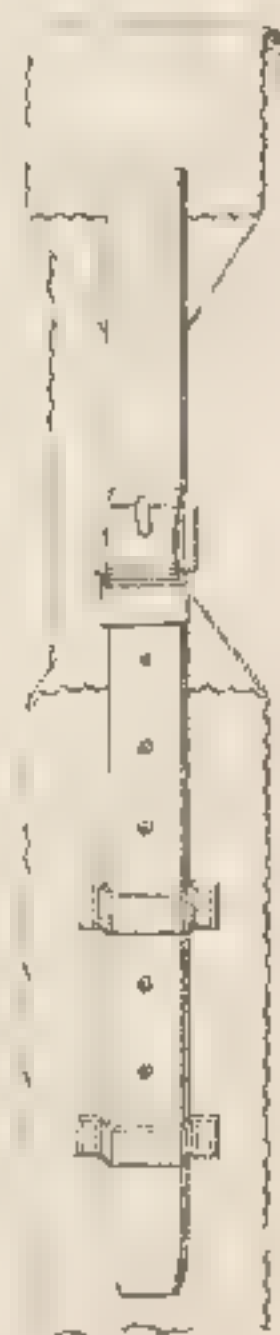
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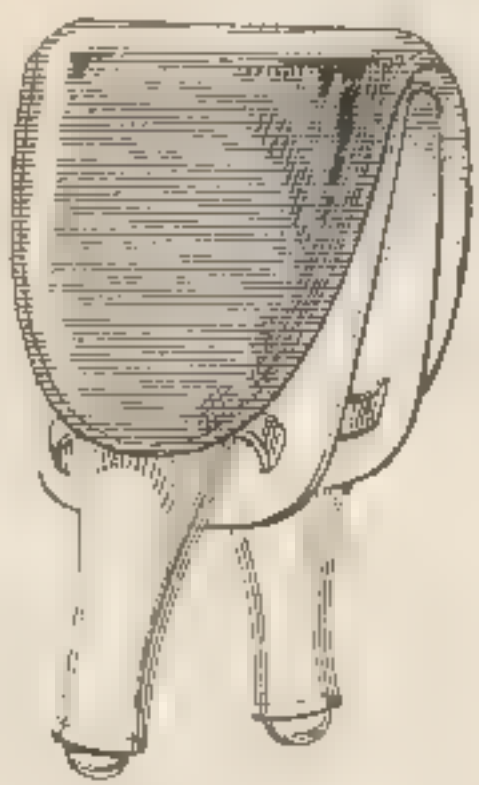
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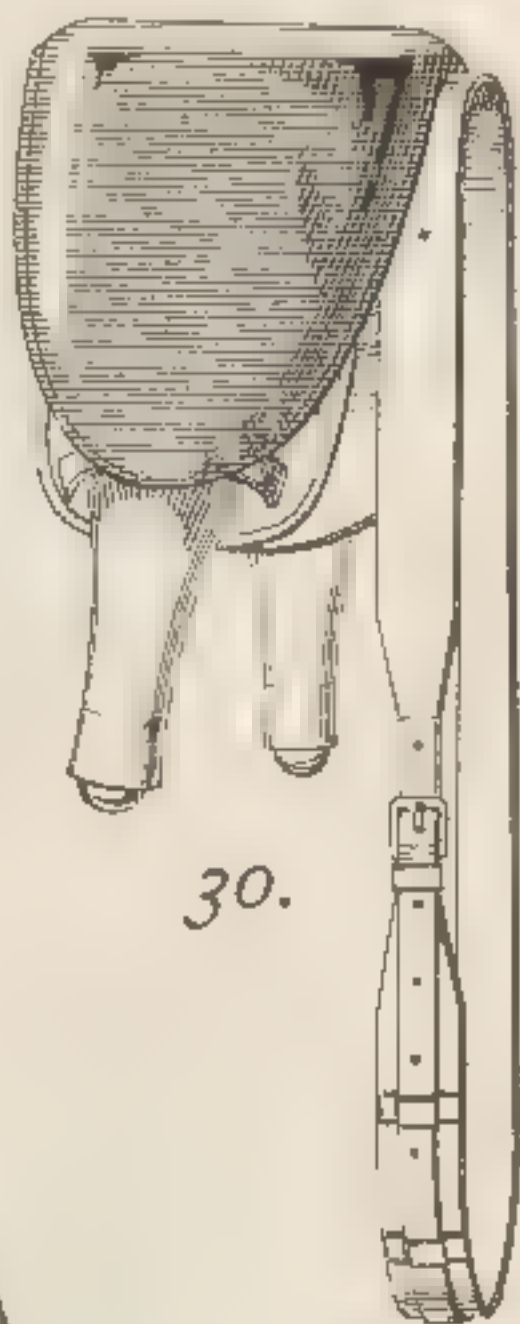
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SADDLERY AND HARNESS.

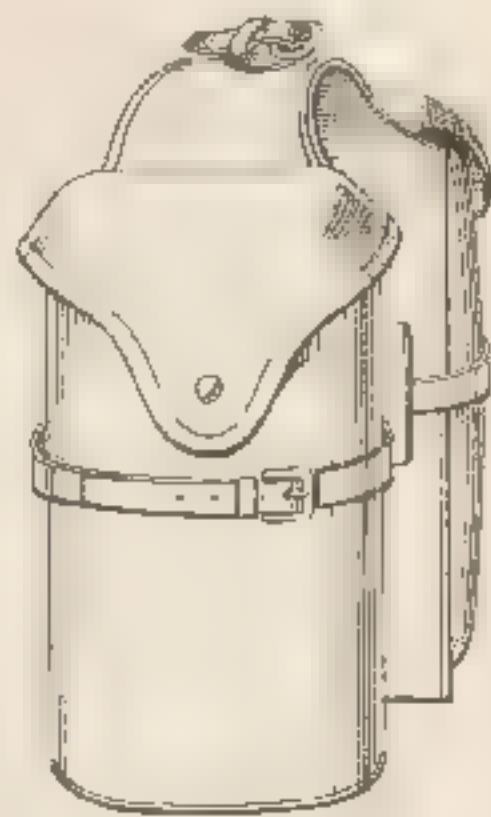
(SADDLE HOLSTERS, &c.)



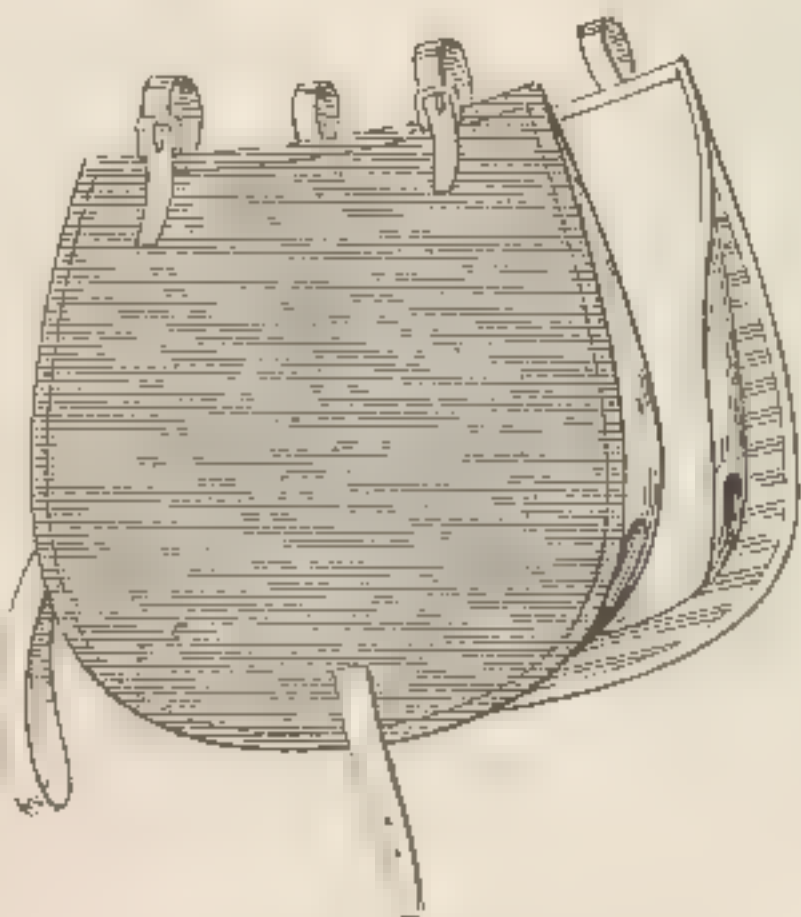
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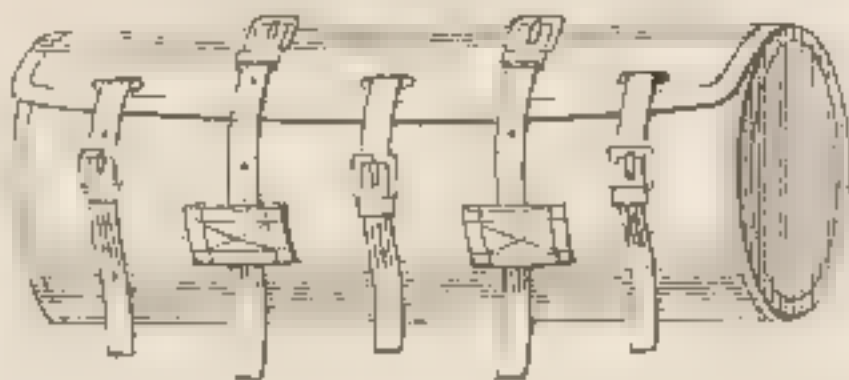
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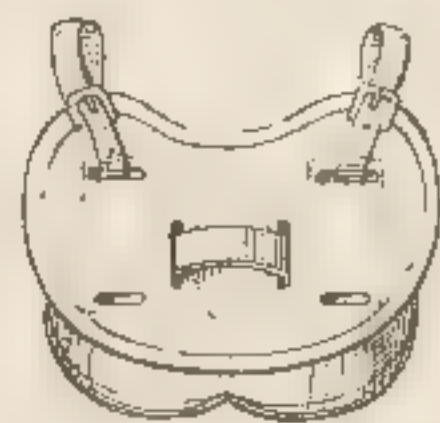
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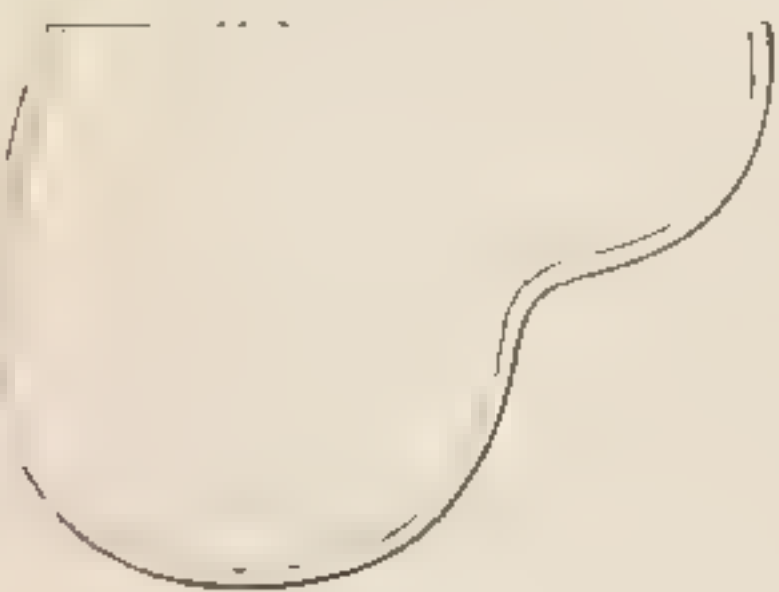
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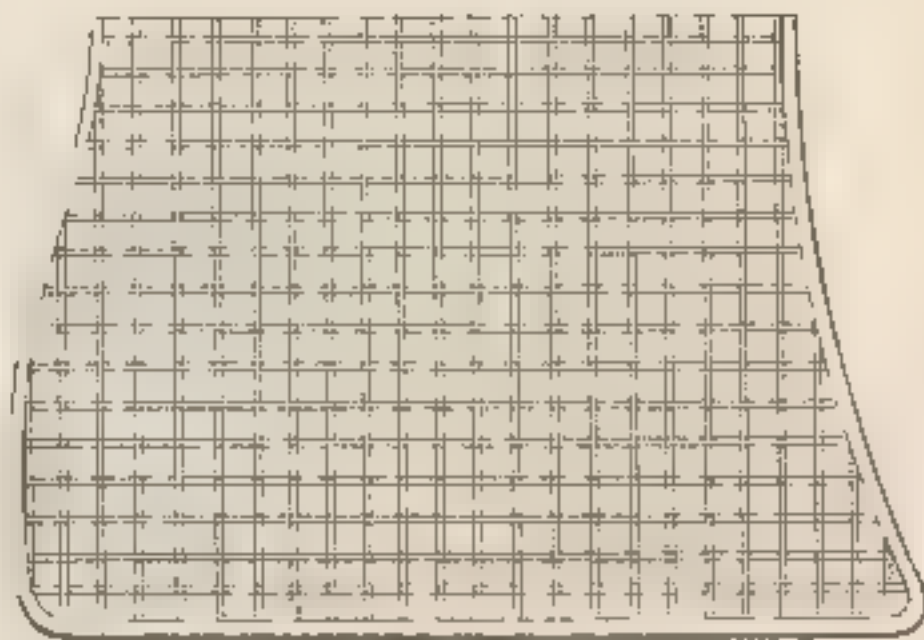
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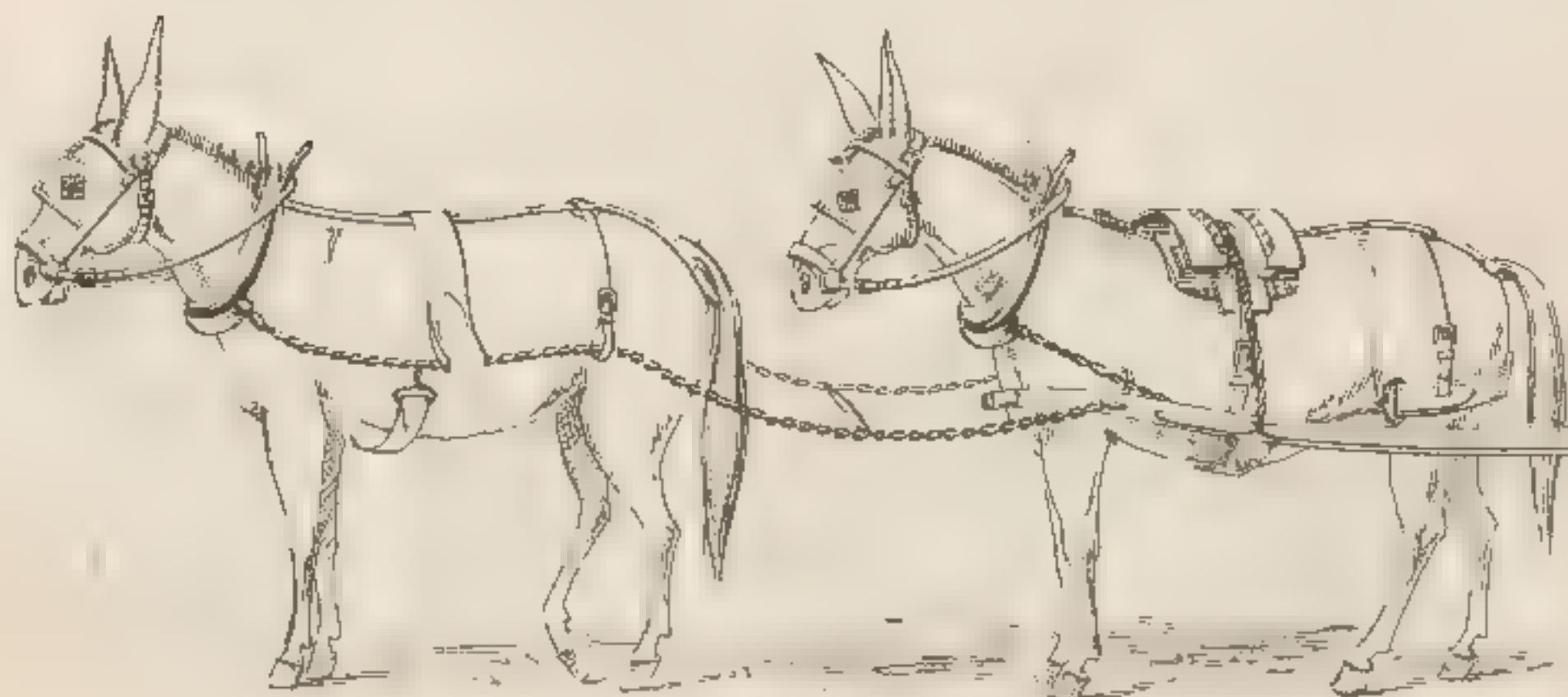
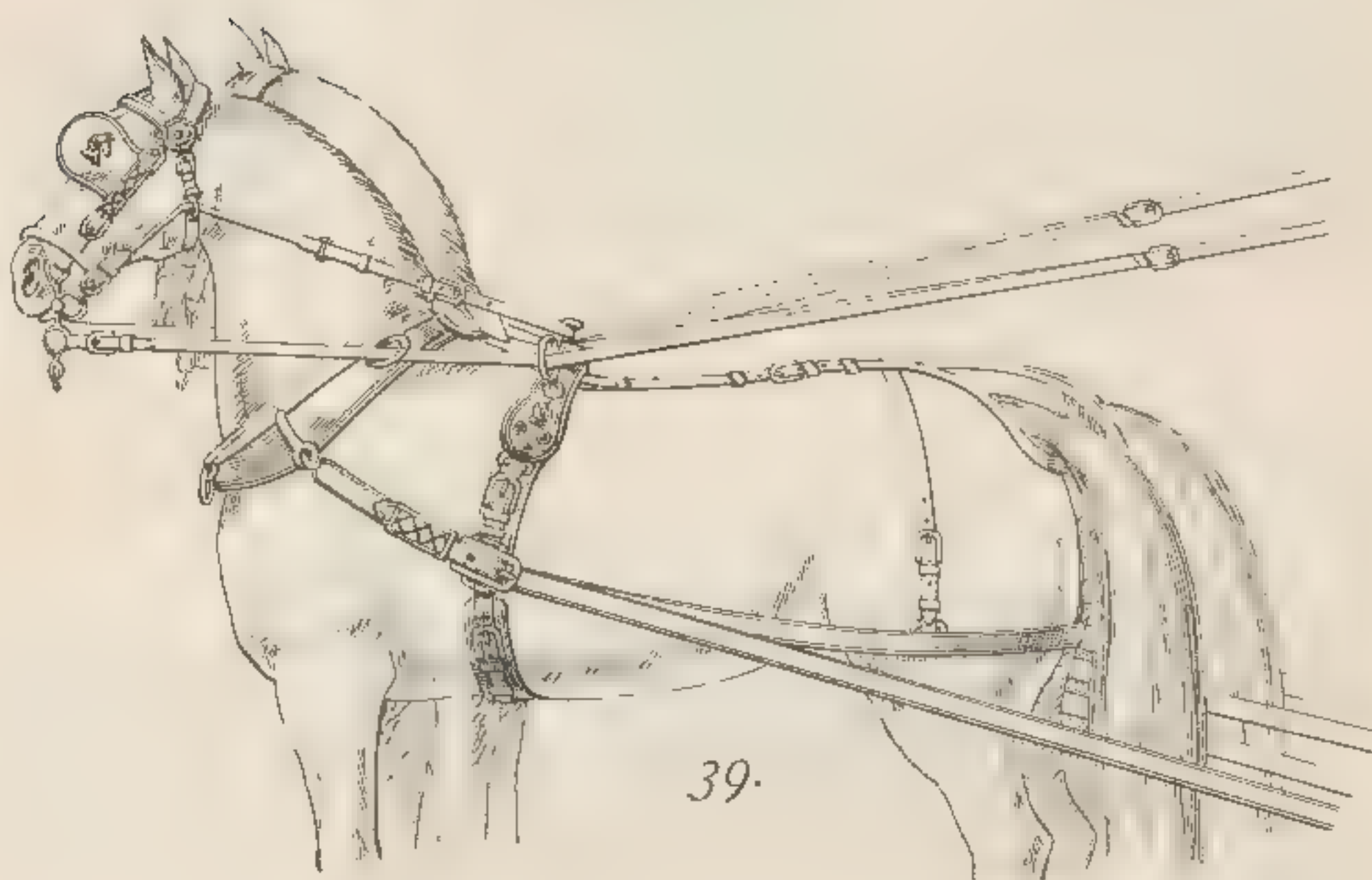
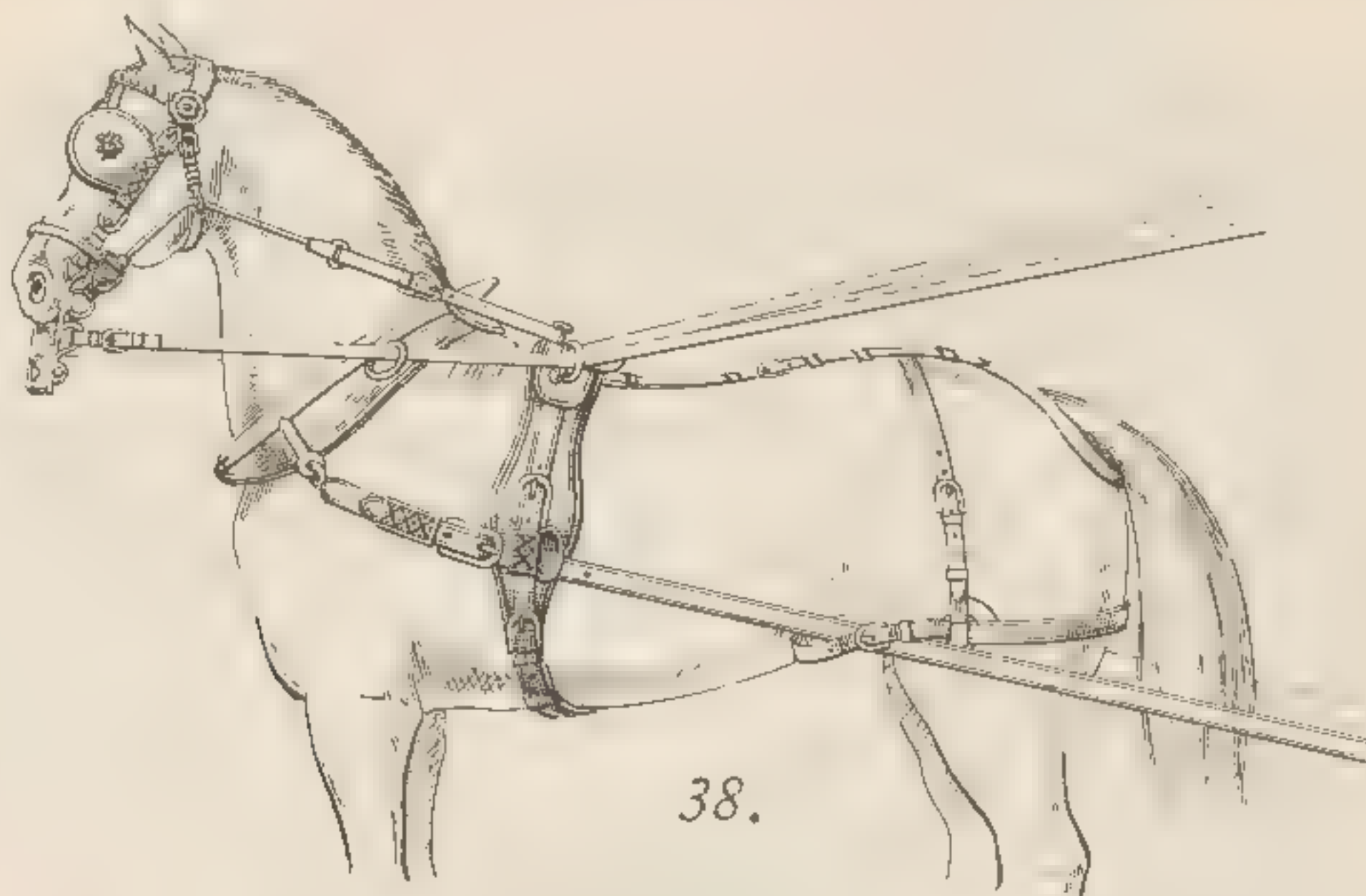
36.



37.

SADDLERY AND HARNESS.

(HARNESS.)



SADDLERY AND HARNESS

(PORTMANTEAUS, BAGS, &c.)



41.



42.



43.



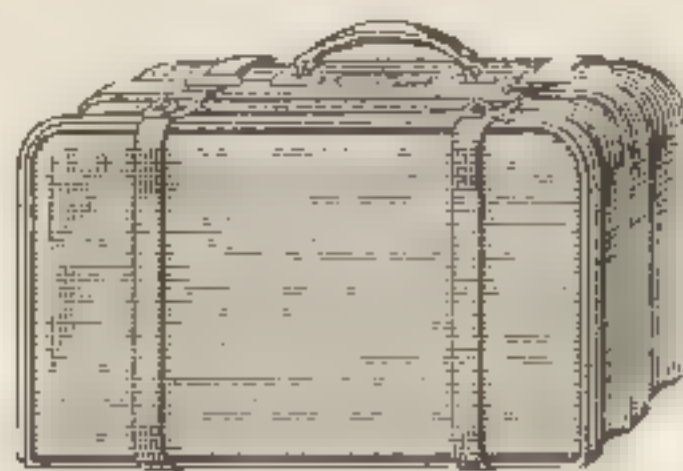
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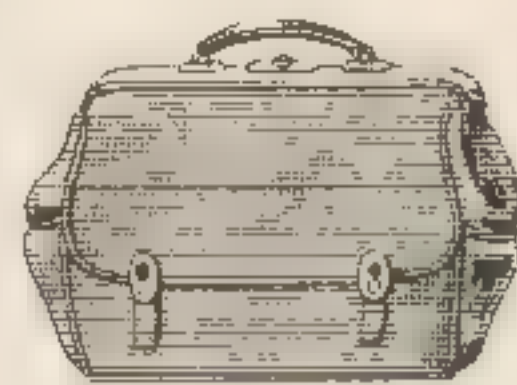
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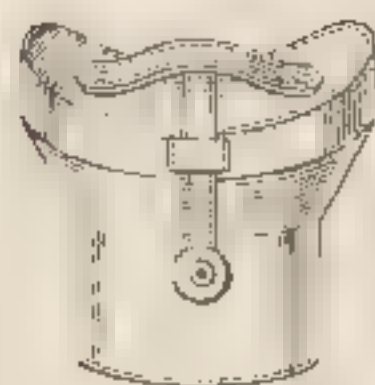
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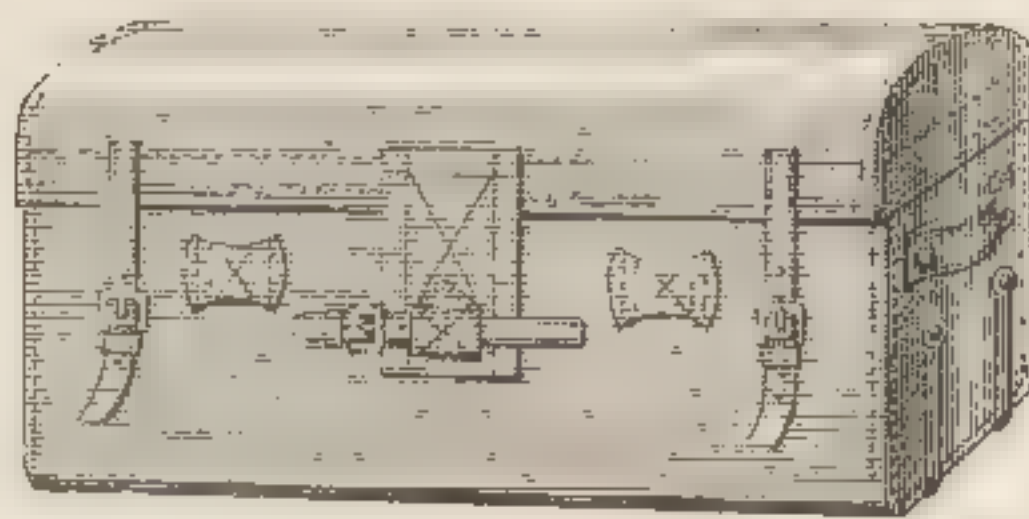
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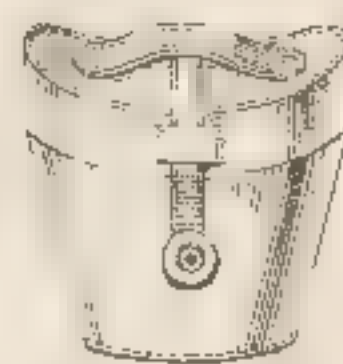
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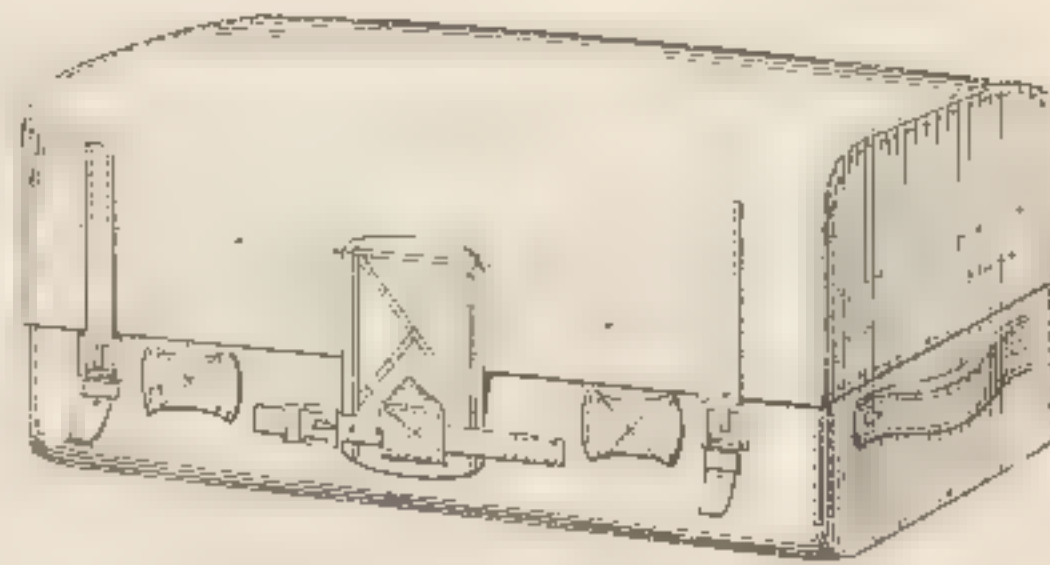
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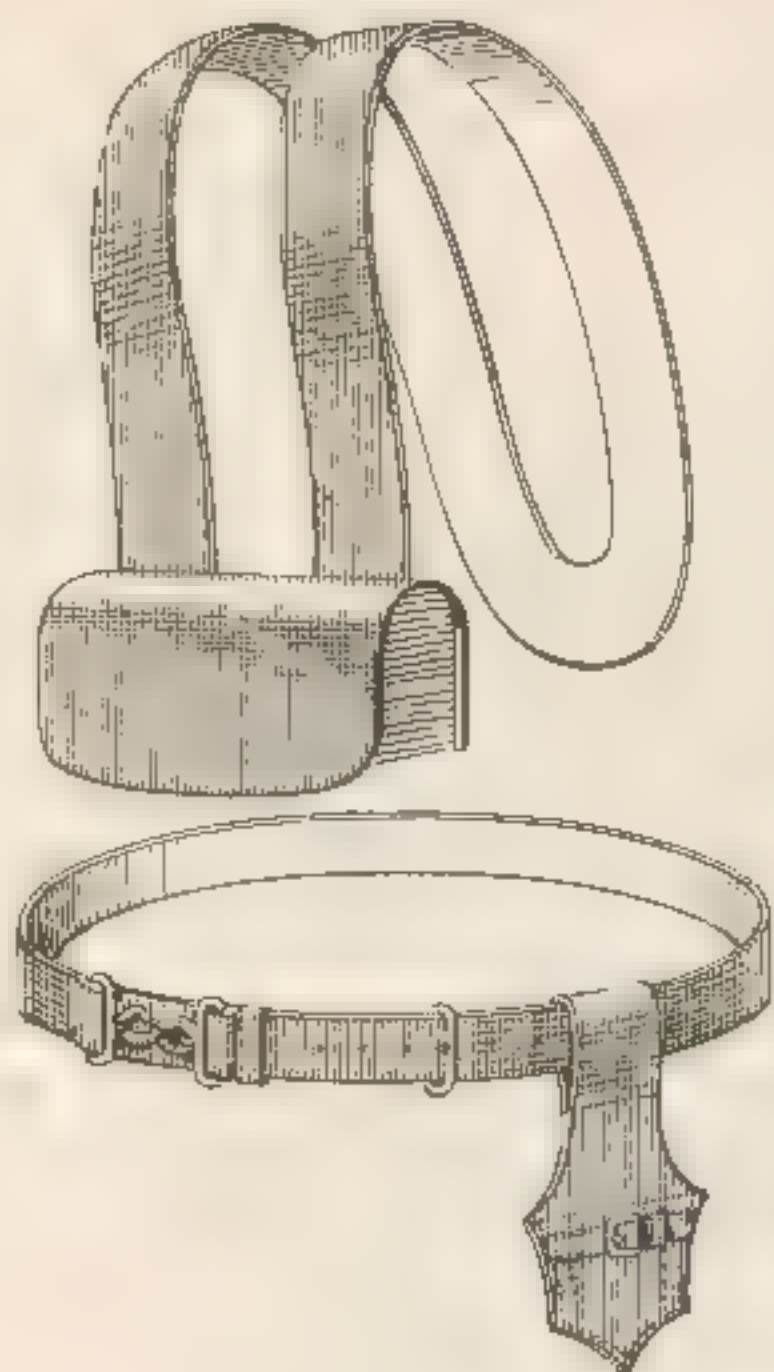
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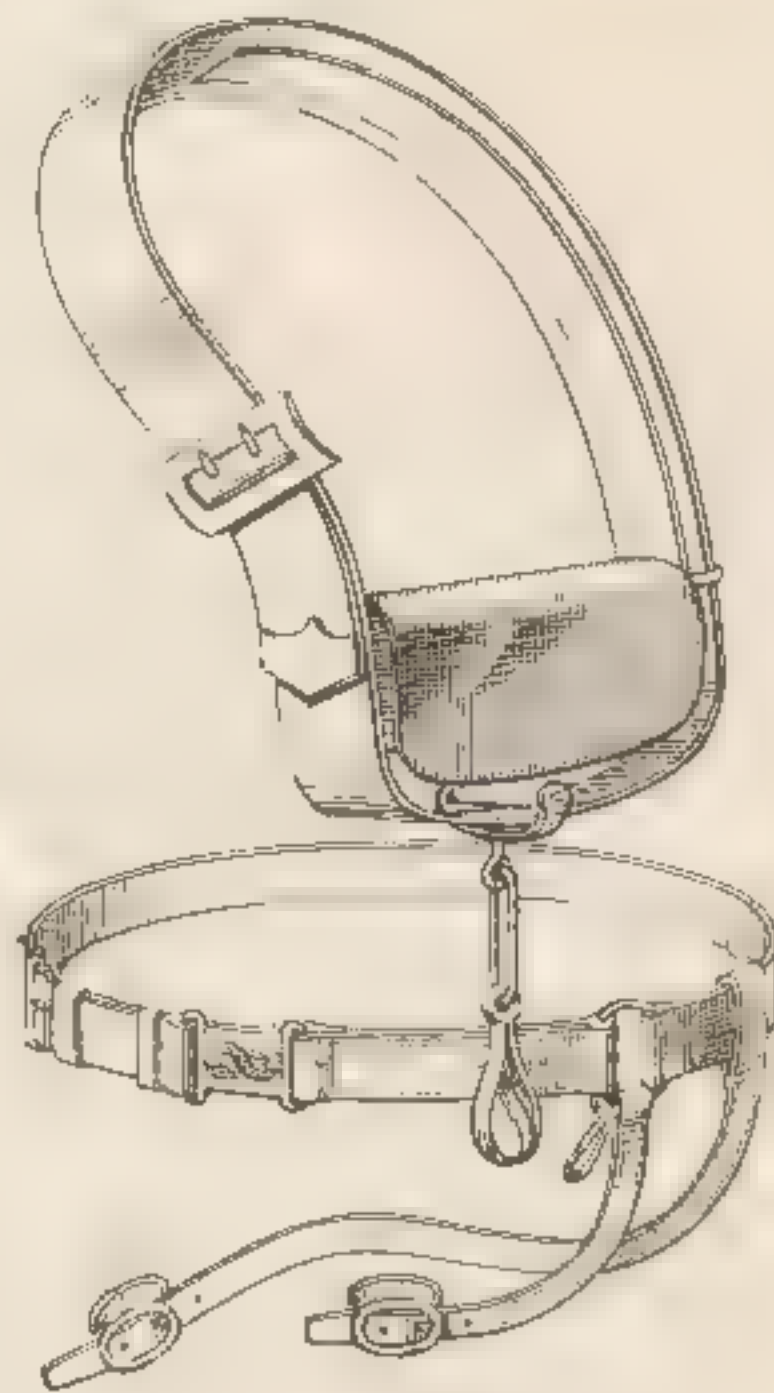
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SADDLERY AND HARNESS

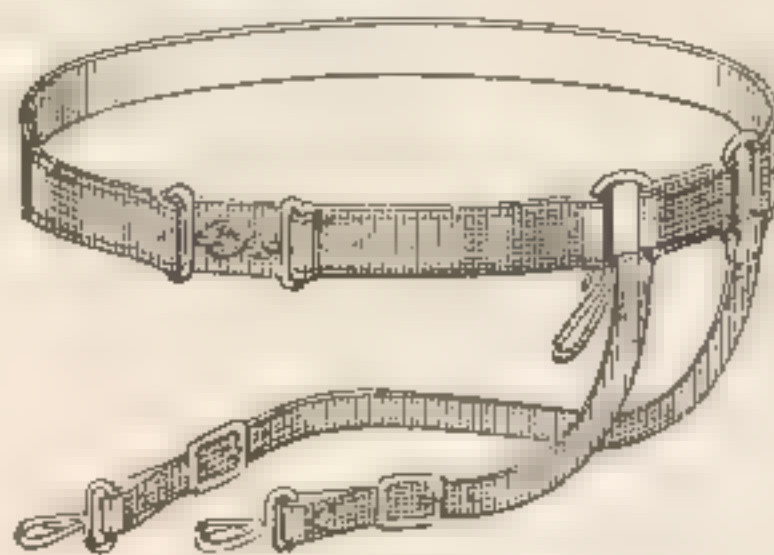
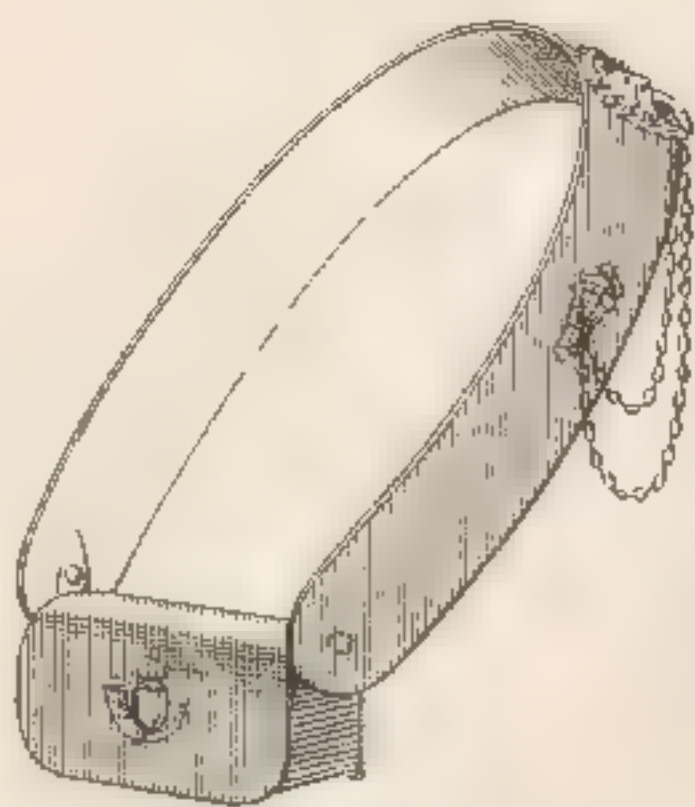
(MILITARY ACCOUTREMENTS.)



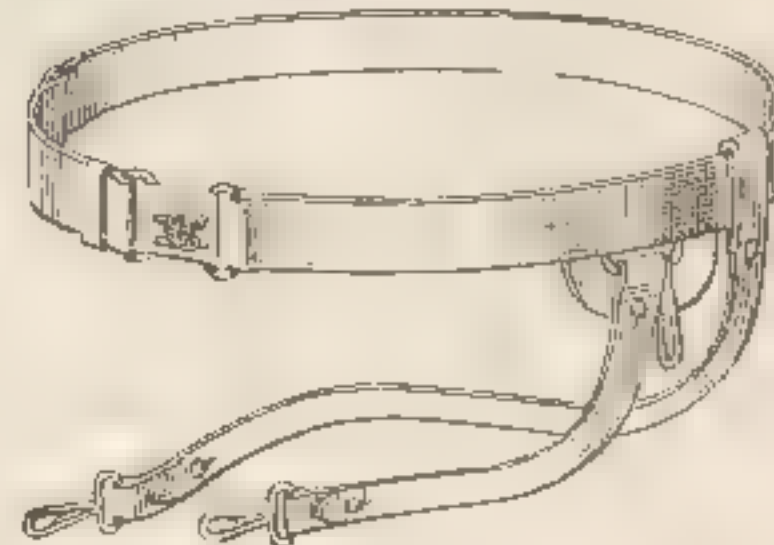
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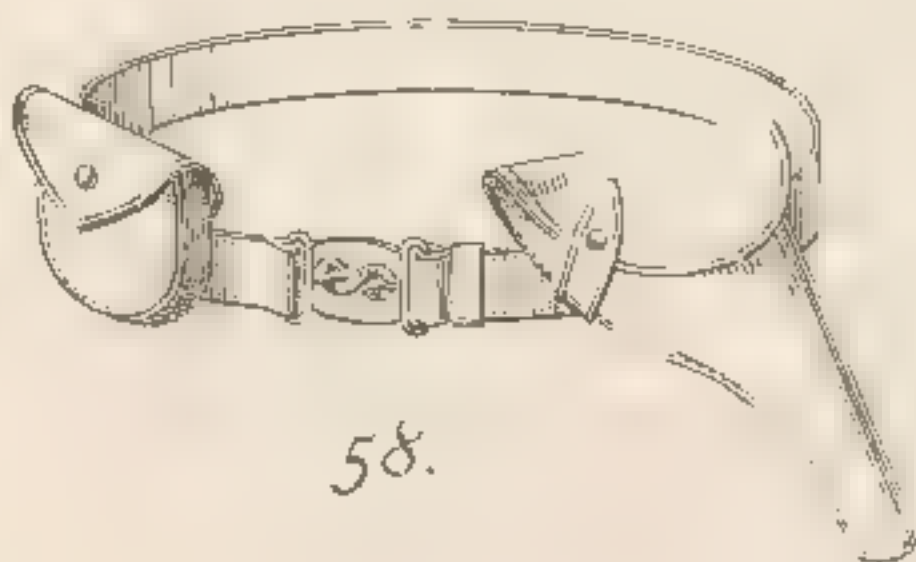
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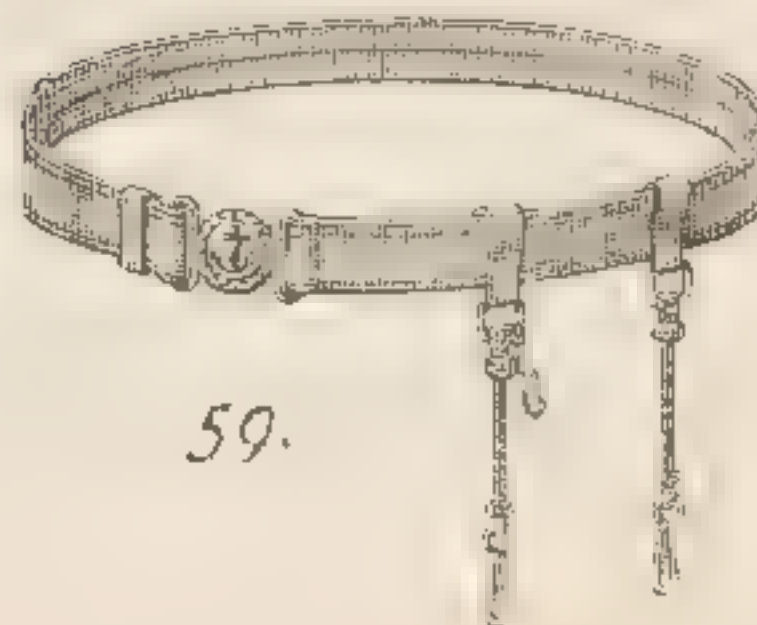
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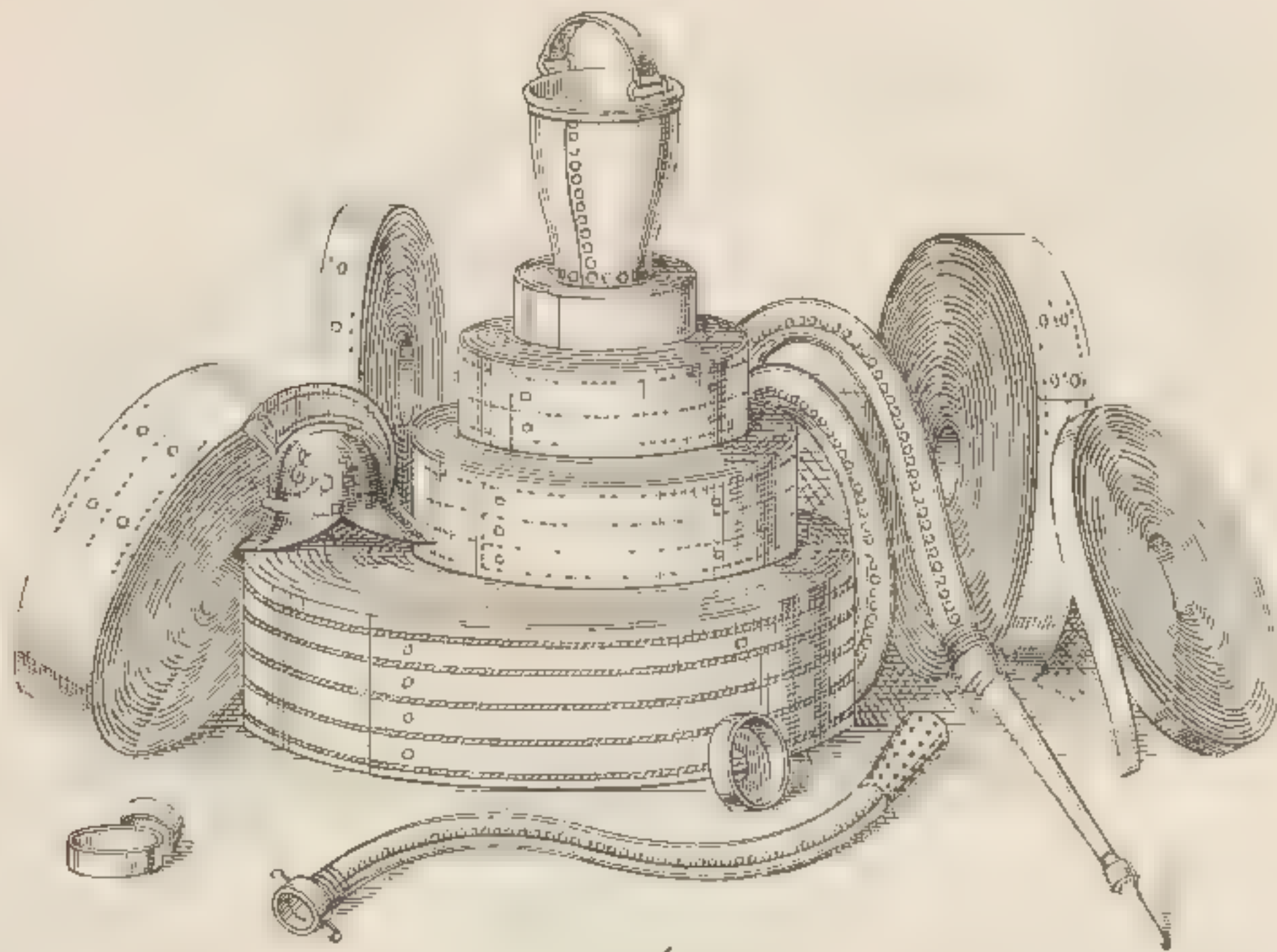
58.



59.

SADDLERY AND HARNESS

(MILL BANDING, LEGGINGS, &c.)



60.



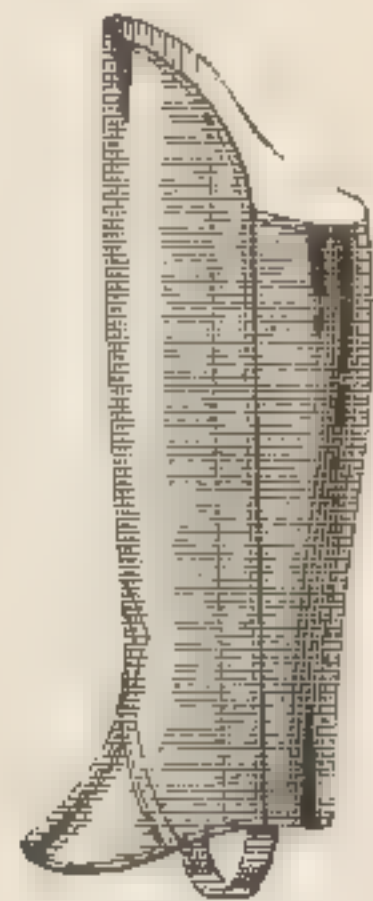
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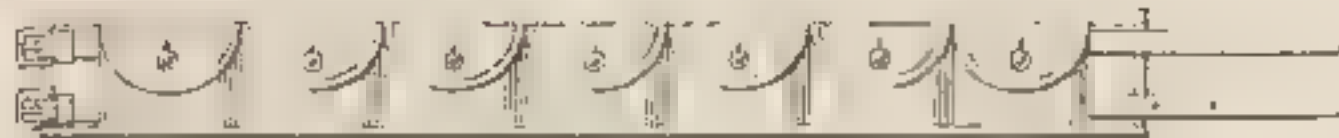
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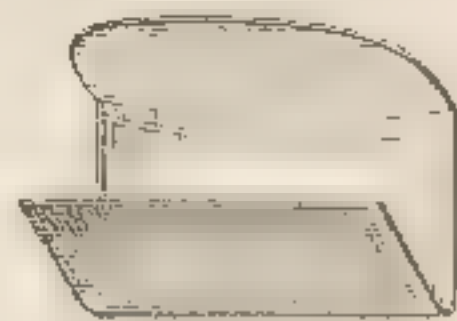
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68.



69.

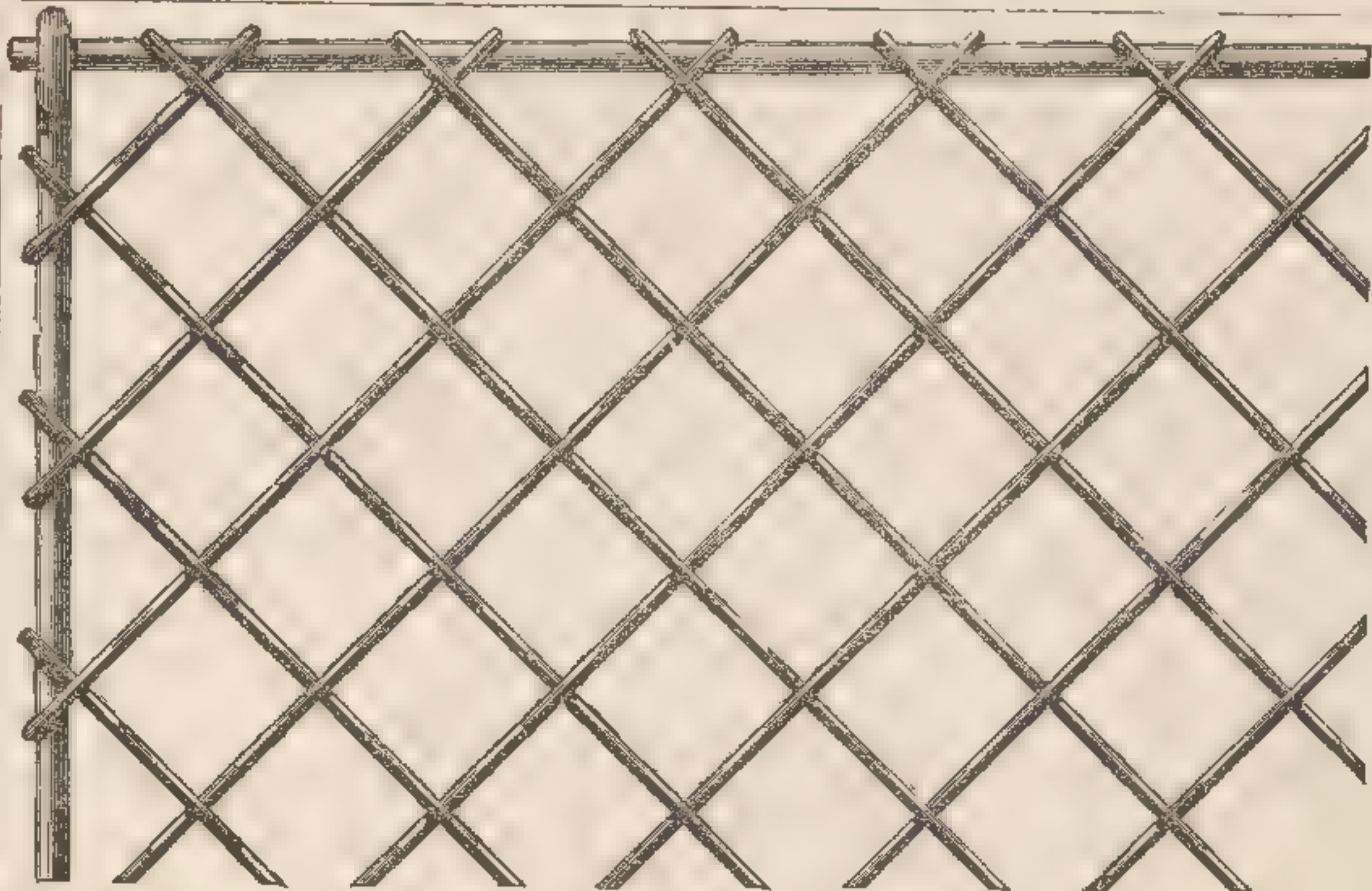
SADDLERY AND HARNESS.

No. of Drawing.	BRIDLES, &c.					
	WITH BITS COMPLETE.					
			QUALITY	A.	B.	C.
1	Snaffle Bridle	...	...	3/8	4/8	8/8 each.
2	Pelham ditto	...	...	7/-	9/-	12/- "
3	Weymouth ditto	...	...	8/-	10/-	16/- "
4	Ditto ditto	...	...	—	12/-	24/- "
5	Pelham ditto	...	...	—	—	20/- "
6	Hemp Halter	...	...	-/7	-/10	1/- "
7	Head-collar	...	...	4/-	5/-	7/- "
8	Ditto ...	...	...	3/8	4/8	— "
SADDLES,						
WITH FURNITURE COMPLETE.						
9	Gentleman's Saddle, hogskin seat	...	...	28/-	32/-	48/- each.
10	Ditto ditto ditto and roll	...	...	40/-	52/-	60/- "
11	Ditto ditto ditto all over	...	...	60/-	76/-	96/- "
12	Racing ditto ditto	...	...	—	80/-	100/- "
13	Gentleman's ditto basil ...	...	...	40/-	48/-	64/- "
	Ditto ditto hogskin	...	...	—	68/-	80/- "
14	Lady's ditto	...	...	92/-	108/-	132/- "
SADDLE FURNITURE.						
15	Crupper ...	...	...	16/-	20/-	24/- dozen.
16	Ditto ...	...	...	—	48/-	— "
17	Cotton Girth	...	...	20/-	—	— doz. prs.
	Wool ditto	...	...	28/-	36/-	56/- "
18	Cotton ditto	...	...	22/-	—	— "
	Wool ditto	...	...	36/-	40/-	60/- "
19	Cord ditto	...	...	48/-	60/-	— dozen.
20	Surcingle	...	...	16/-	32/-	48/- "
21	Stirrup Leather	...	...	—	36/-	44/- doz. prs.
22	Ditto ditto	...	...	24/-	28/-	— "
23	Lady's ditto	...	...	12/-	16/-	— dozen.
24	Race Stirrup Leather...	...	...	28/-	36/-	56/- doz. prs.
25	Stirrup	...	...	—	20/-	56/- "
26	Ditto ...	...	...	—	44/-	72/- "
27	Ditto ...	...	...	28/-	52/-	— "
28	Ditto Spring ...	...	...	8/-	14/-	— per pair.
SADDLE HOLSTERS, &c.						
29	Saddle Holster	...	...	13/-	—	— per pair.
30	Ditto	...	...	—	26/-	32/- "
31	Wallets	...	...	—	20/-	— "
32	Side Bags	...	...	10/-	20/-	28/- "
33	Saddle Bags	...	...	16/-	48/-	56/- "
34	Valise ...	...	...	14/-	24/-	— each.
35	Ditto Pad	...	...	4/-	6/-	— "
36	Saddle Cloth, felt	...	...	4/4	7/-	— "
37	Ditto check	...	...	5/-	—	— "

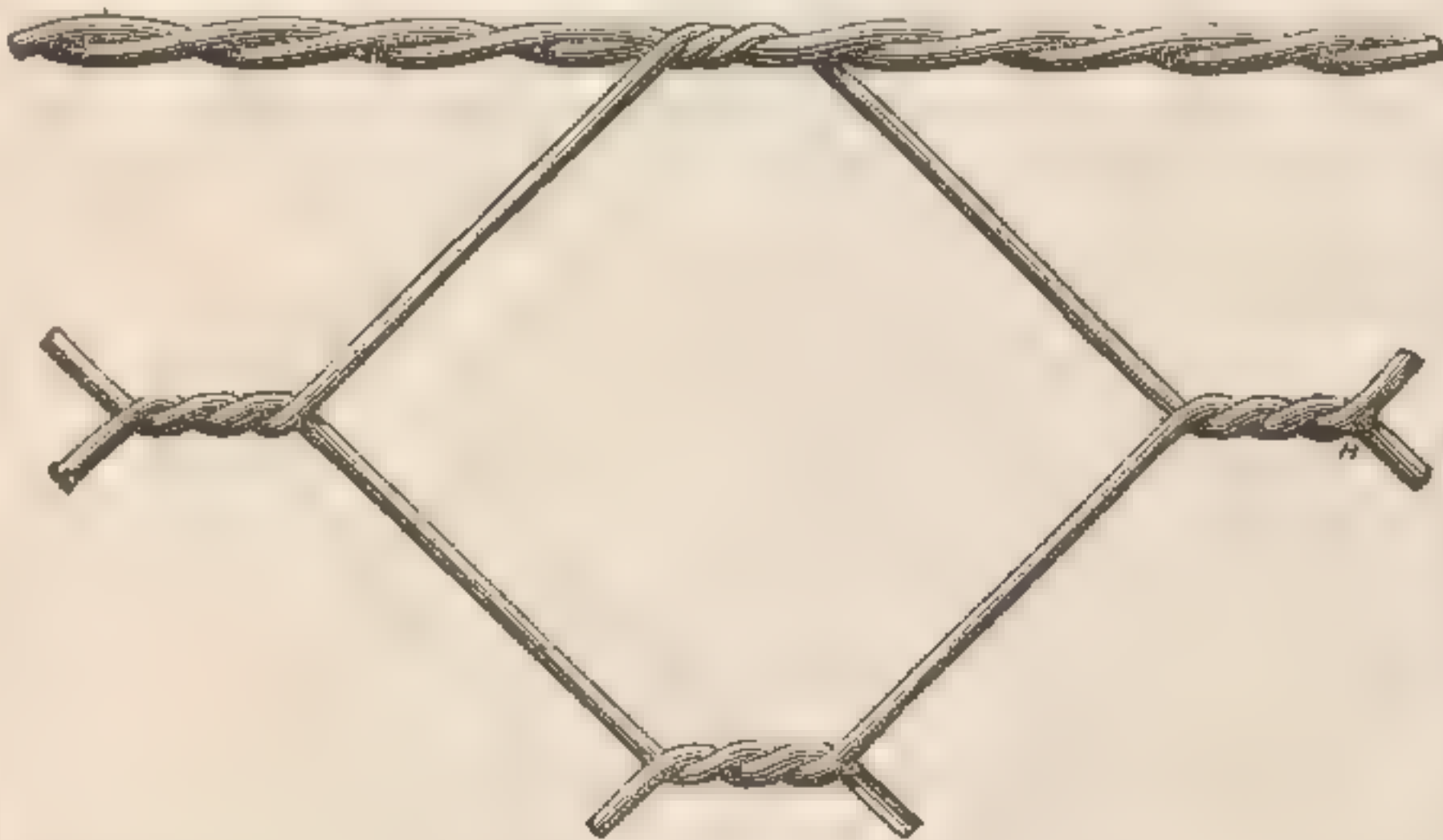
SADDLERY AND HARNESS (continued).

No. of Drawing.	HARNESS.					
	QUALITY			A.	B.	C.
38	Gig Harness, brass furniture	...	...	88/-	120/-	168/- set.
	Ditto plated ditto	...	...	96/-	136/-	228/- "
39	Pair-Horse Harness, brass ditto	...	...	160/-	240/-	320/- "
	Ditto ditto plated ditto	...	...	180/-	268/-	400/- "
40	Mule Harness, Wheel ...	...	...	34/-	48/-	68/- "
	Ditto Leader ...	...	...	28/-	34/-	48/- "
PORTMANTEAUS, BAGS, &c.						
		Size	2	3	4	5
41	Dram Bottle	...	44/-	48/-	52/-	— dozen.
42	Ditto	...	—	56/-	64/-	76/- "
43	Cigar Case	...	28/- doz.	...	...	...
44	Ditto	...	28/- "	...	...	...
45	Ditto	...	40/- "	...	...	...
				A.	B.	C.
46	Bag	...	...	—	7/-	1/2 per inch.
47	Ditto "Gladstone"	...	...	—	1/10	2/- "
48	Ditto Bulge	...	...	—	2/2	2/4 "
49	Hat Box	...	...	20/-	32/-	36/- each.
51	Ditto	...	...	24/-	36/-	42/- "
50	Lady's Portmanteau, oil cloth, 2/8 per inch.					
52	Portmanteau	...	Basil, 1/-	Hide, 2/4	Solid, 2/8	per inch.
53	Ditto	...	" 1/-	" 2/4	" 2/8	" "
MILITARY ACCOUTREMENTS.						
54	Belts, Infantry	...	...	...	...	10/- per set.
55	Ditto Cavalry	...	...	...	...	19/- "
56	Ditto Officer's Rifle	...	...	...	...	32/- "
57	Ditto Private's Artillery	...	...	...	...	14/- "
58	Pistol Belts and Pouches	...	...	...	...	10/- each.
59	Midshipman's Belts, morocco	...	...	...	...	12/- "
MILL-BANDING, LEGGINGS, &c.						
60	Mill-banding, single—					
	1	2	3	4	5	6
	-/4½	-/10	1/4	2/-	2/6	3/2
	Do. double, 3/-	4/-	5/-	6/-	7/2	8/6
						9/10
						11/-
						12/2
						13/4
						"
						1
						1½
						2
						2½
						3
						inch.
	Hose-piping, delivery	...	1/10	2/2	2/8	3/4
						3/8
						foot.
61	Leggings, enamelled leather	...	...	...	...	7/- per pair.
62	Ditto canvas	...	...	...	...	7/- "
63	Ditto enamelled leather	...	...	...	...	6/- "
64	Ditto ditto	...	...	...	...	10/- "
65	Money Belt	...	...	...	...	28/- "
						1
						1¼
						1½
						1¾
						inch.
66	Waist Belt	...	...	20/-	24/-	28/-
						32/- dozen.
67	Purse	...	...	...	...	12/- dozen.
68	Ditto	...	...	...	...	12/- "
69	Letter Case	...	...	...	...	40/- "

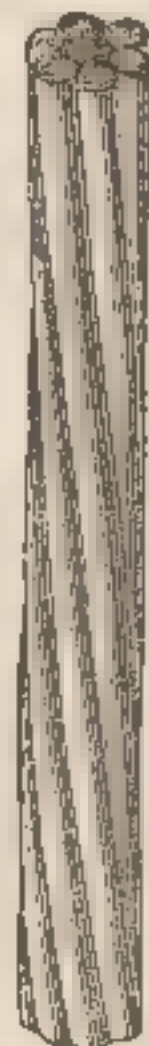
GALVANIZED WIRE NETTING & ROPE.



CORRUGATED DIAMOND LATTICE.



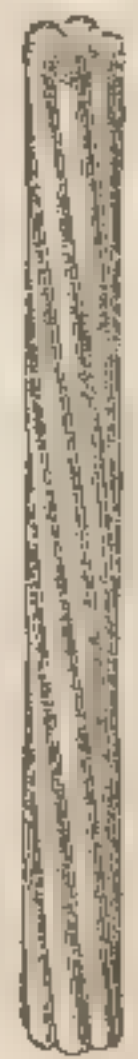
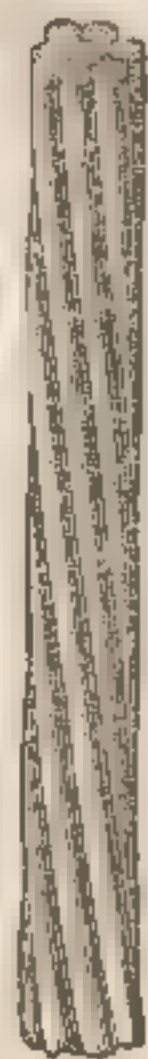
WIRE NETTING, $1\frac{1}{2}$ in.



No. 4. No. 5.



MACHINE-MADE STAPLES.



No. 6. No. 7.

GALVANIZED WIRE NETTING AND ROPE.

CORRUGATED DIAMOND LATTICE.

$\frac{3}{8}$ inch	...	...	2/6 per lineal yard 2 feet wide, in 25-yard rolls.			
$\frac{1}{2}$ "	...	...	2/-	ditto	ditto	ditto
$\frac{5}{8}$ "	...	...	1/8	ditto	ditto	ditto
$\frac{3}{4}$ "	...	...	1/4	ditto	ditto	ditto
$\frac{7}{8}$ "	...	...	1/3	ditto	ditto	ditto
1 "	...	...	1/2	ditto	ditto	ditto

Other widths at proportionate prices.

WIRE NETTING.

				16	17	18	19	20	22 gauge.
$\frac{3}{8}$ in. mesh, 24 in. wide	...	...	...	—	—	—	—	2/3	2/1 per lineal yard.
$\frac{1}{2}$ " 24 "	...	...	...	—	—	—	—	1/9	1/7 "
$\frac{5}{8}$ " 24 "	...	...	...	—	—	1/7	1/5	1/3	1/2 "
$\frac{3}{4}$ " 24 "	...	...	...	—	—	1 -	-/10	- 9	— "
$\frac{7}{8}$ " 24 "	...	...	...	1/3	1/-	-/9	-/8	—	— "
1 " 24 "	...	...	...	1/2	-/10	-/7 $\frac{1}{2}$	-/6 $\frac{1}{4}$	—	— "
1 $\frac{1}{4}$ " 24 "	...	...	...	-/10	-/9	-/6 $\frac{1}{4}$	-/5	—	— "
1 $\frac{1}{2}$ " 24 "	...	...	...	-/6 $\frac{1}{4}$	-/5	-/4	-/3 $\frac{1}{2}$	—	— "
1 $\frac{5}{8}$ " 24 "	...	...	...	-/5	-/4	-/3 $\frac{1}{2}$	-/3	—	— "
2 " 24 "	...	...	...	-/4 $\frac{1}{2}$	-/3 $\frac{3}{4}$	-/2 $\frac{3}{4}$	-/2 $\frac{1}{4}$	—	— "
2 $\frac{1}{4}$ " 24 "	...	...	...	-/4	-/3 $\frac{1}{2}$	-/2 $\frac{3}{4}$	-/2 $\frac{1}{4}$	—	— "
3 " 24 "	...	...	...	-/3 $\frac{1}{2}$	-/2 $\frac{3}{4}$	-/2 $\frac{1}{4}$	-/2	—	— "
3 $\frac{1}{4}$ " 24 "	...	...	...	-/2 $\frac{3}{4}$	-/2 $\frac{1}{4}$	-/2	-/1 $\frac{1}{2}$	—	— "
4 " 24 "	...	...	...	-/2 $\frac{1}{4}$	-/2 $\frac{1}{4}$	-/2	-/1 $\frac{1}{2}$	—	— "
6 " 24 "	...	...	...	-/2 $\frac{1}{4}$	-/2	-/1 $\frac{1}{2}$	—	—	— "

Other widths at proportionate prices.

For prices of STAPLES

" " STRAND

} see page 19.

HURDLES AND GATES.



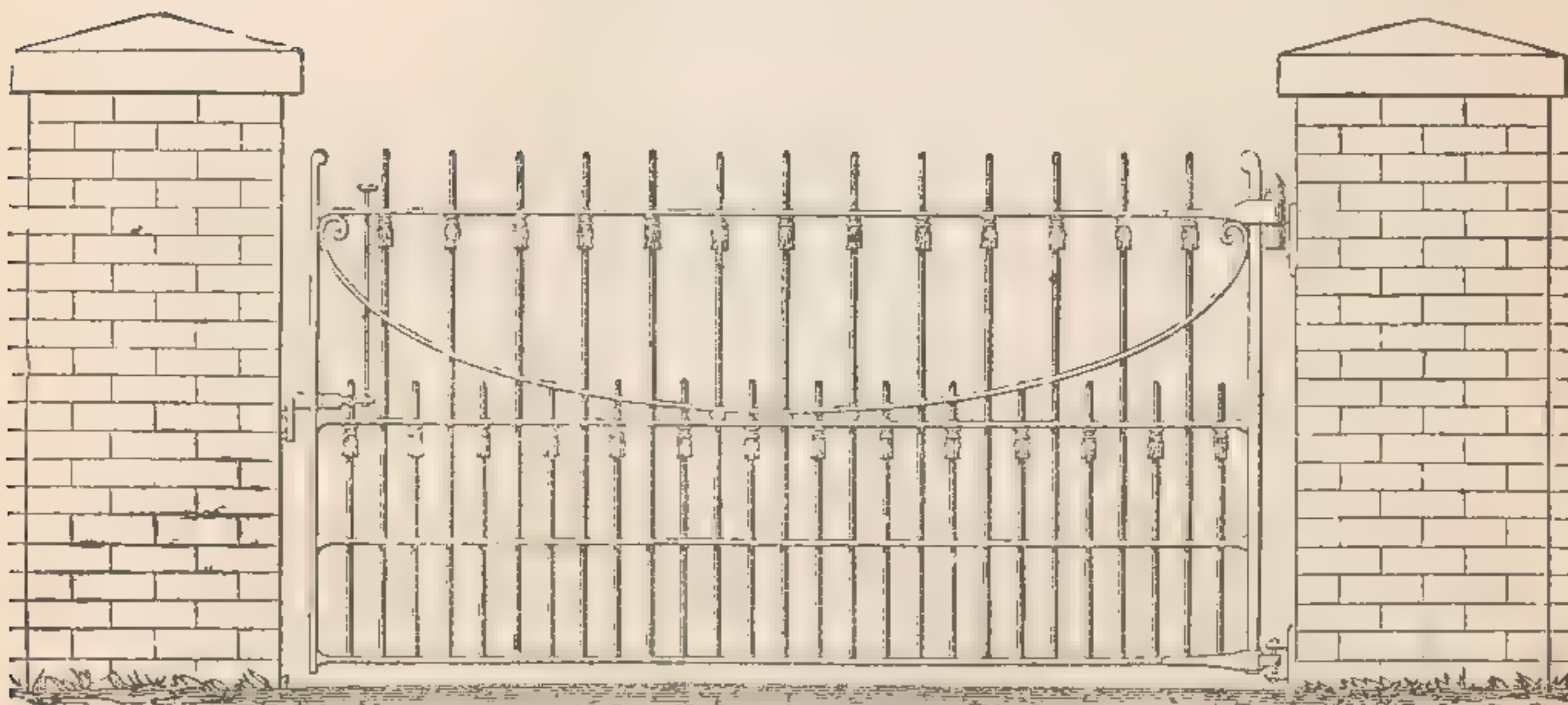
STANDARDS AND STRAINING POST.



HURDLE.



STRAINING SCREW AND NUT.



WROUGHT IRON GATE.

HURDLES AND GATES.

For prices of Fencing Wire, see page 19.

Standards, with double-pronged feet—

Pierced for 4 wires, 3 feet 0 inches above ground	...	14/6 dozen.
„ 5 „ 3 „ 6 „ „	...	16/- „
„ 6 „ 4 „ 0 „ „	...	18/- „
„ 7 „ 4 „ 6 „ „	...	20/- „

Straining Posts complete—

	12/6	13/6	17/-	19/- each.
For 4		5	6	7 wires.

IRON HURDLES,

6 FEET LONG.

				Height.	
3 bars, $\frac{1}{2}$ in. round iron, 2 screw bolts and balls to each,	2 ft. 9 in.	3/8	each.		
4 „ $\frac{1}{2}$ in. ditto ditto ditto	3 ft. 0 in.	4/4	„		
5 „ $\frac{1}{2}$ in. ditto 3 ditto ditto	3 ft. 4 in.	5/3	„		
6 „ the lower 5 bars $\frac{1}{2}$ in. round iron, and the upper one of $\frac{5}{8}$ in, 3 screw bolts and balls to each	... 4 ft. 0 in.	6/9	„		
5 „ the upper bar of $\frac{5}{8}$ in. round iron, and the lower four of flat iron 1 in. by $\frac{1}{4}$ in., 3 screw bolts and balls to each	... 3 ft. 6 in.	6/7	„		

Straining Screws and Nuts—

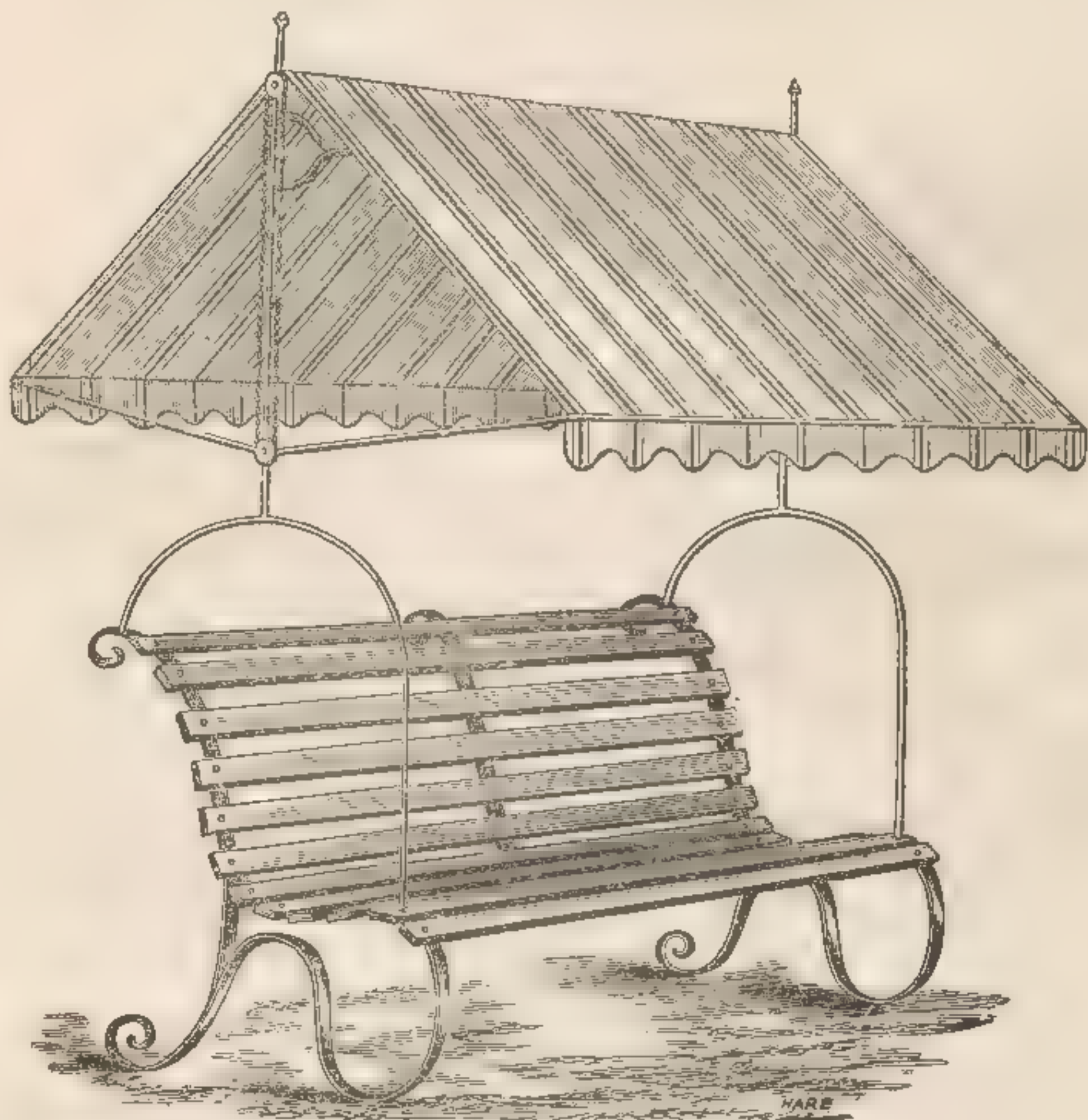
12 inches long	...	...	...	5/6 dozen.
15 „	...	...	...	6/- „
18 „	...	...	...	6/6 „

WROUGHT IRON CARRIAGE GATE.

9 or 10 feet wide, 5 feet high ; bars $\frac{5}{8}$ in., dog bars $\frac{1}{2}$ in. ... £7 10 0

Can be made of any required width or height.

GARDEN SEATS, TABLES, &c.

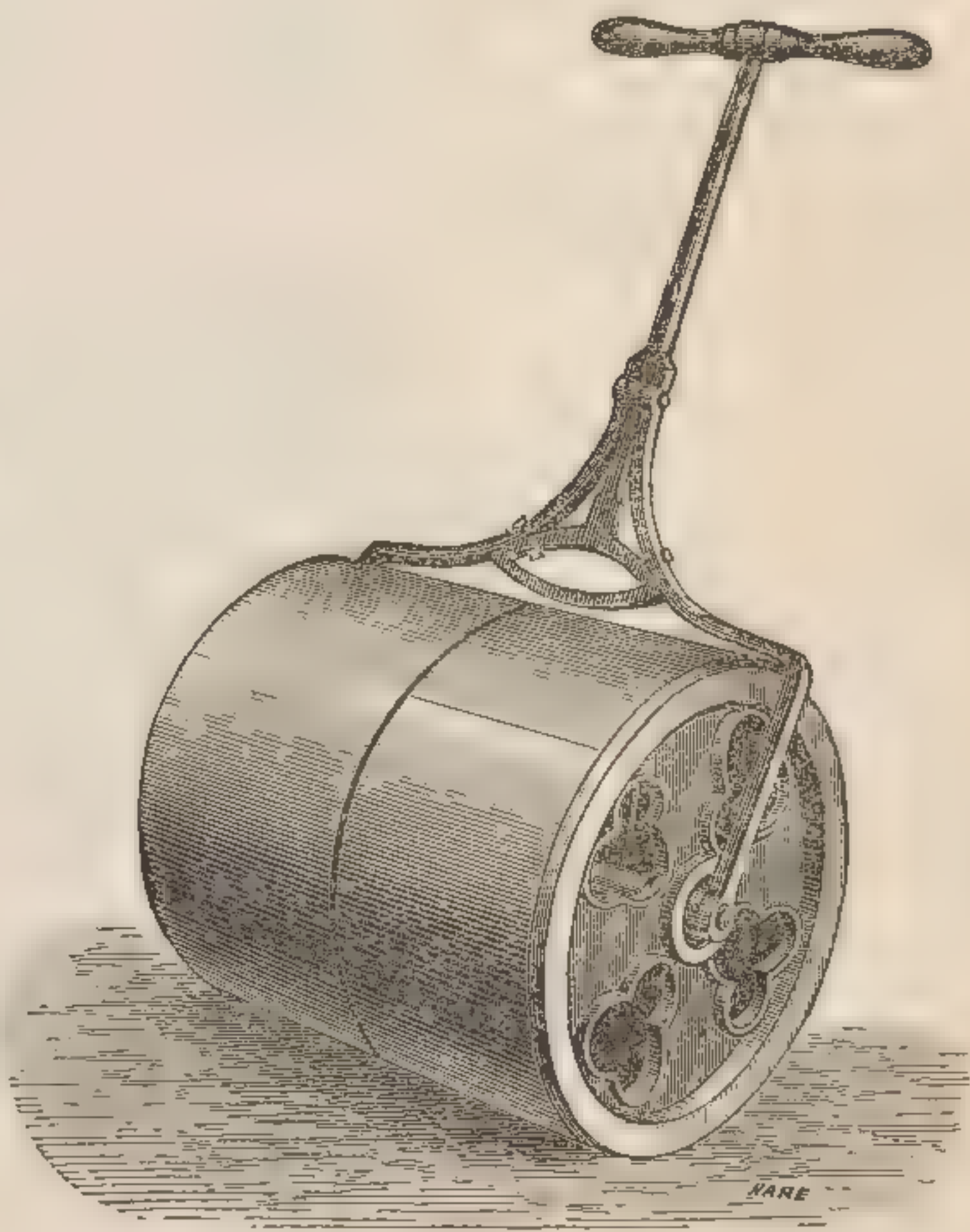


GARDEN SEAT AND SUN SHADE



GARDEN SEAT.

GARDEN SEATS, TABLES, &c. (continued).



GARDEN SEATS, TABLES, &c.

Sunshade Garden Chair, with Awning, painted oak or green, with lines, and varnished—

4 ft. 6 in.	5 ft.	6 ft.
£5 0 0.	£5 10 0.	£5 15 0.

If the Awning is of a lighter and cheaper material, without roller, pullies and chains,
£1 less on each size.

Garden Chair, wrought iron ends, wood seat and back—

	4 ft.	4 ft. 6 in.	5 ft.	6 ft.
Painted green	22/6	23/6	25/6	27/- each.
Green, with lines, and var-				
nished or grained oak ...	24/6	25/6	27/6	29/- „

Portable Chair—

The frame japanned maroon or ultramarine	21/- each.
The frame and seat japanned bamboo or maple	21/- „
The frame and seat galvanized	25/- „

Patent Steel Chair, with helical seat and back, japanned ... 17/6 „

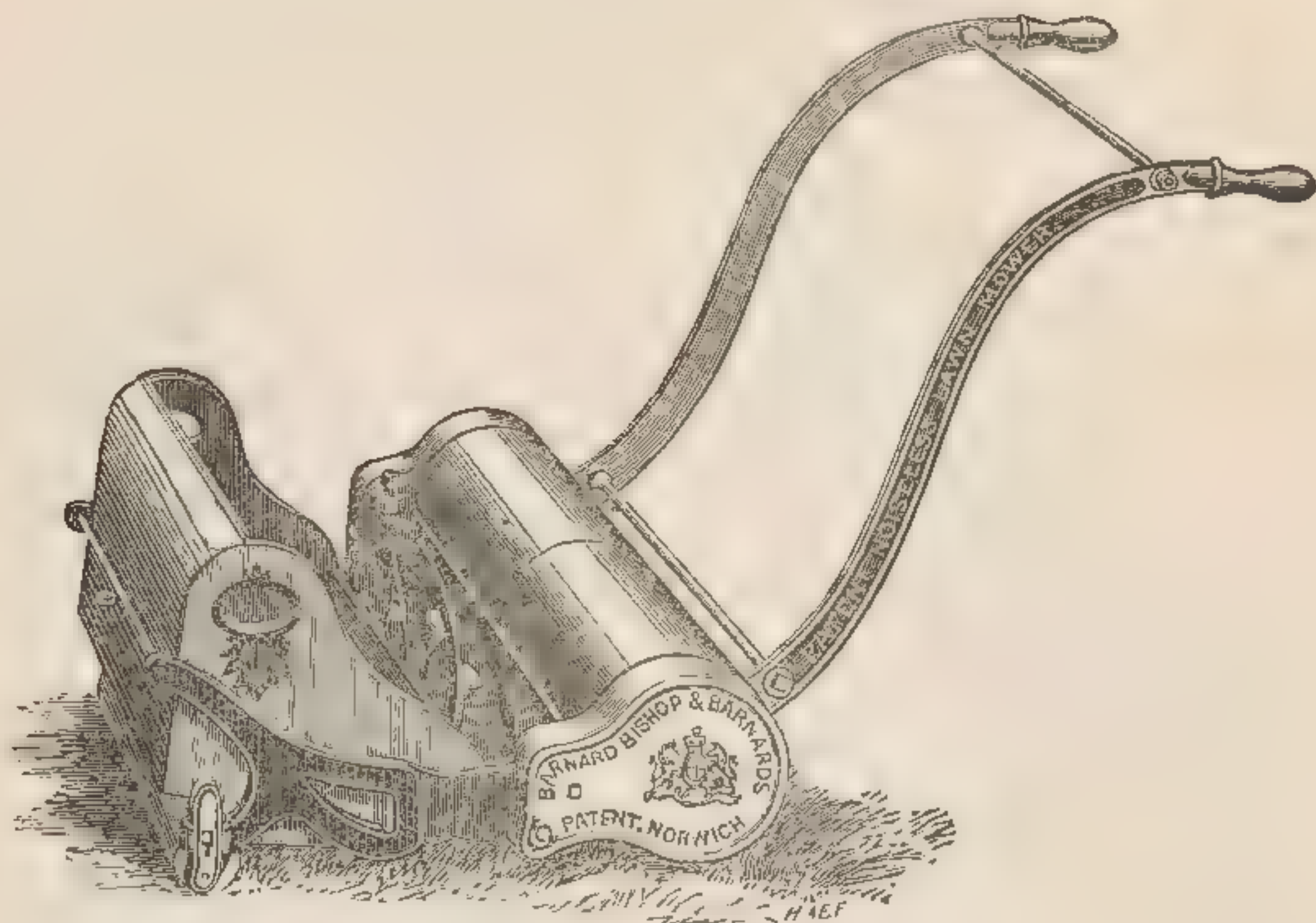
Wrought Iron Table, with japanned iron top—

18 inches diameter	9/- each.
24 „ „	12/- „
28 „ „	15 - „

Garden Roller, double cylinder, balance handle—

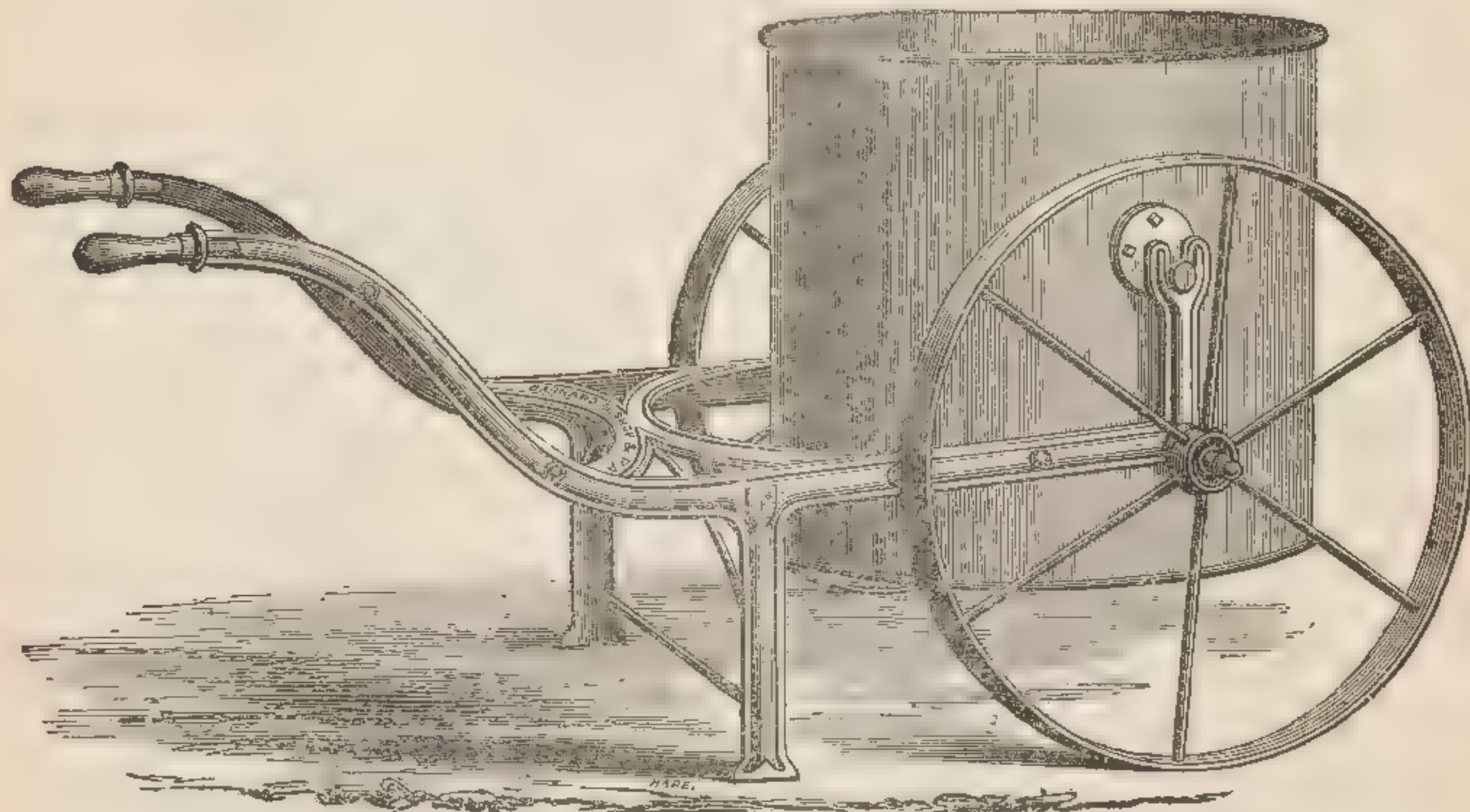
					£	s.	d.
18 inches wide, 16 inches diameter	...	...	...	...	2	17	0
20 „ 18 „ „	...	...	...	...	3	10	0
22 „ 20 „ „	...	...	...	...	4	5	0
24 „ 22 „ „	...	...	...	...	5	0	0
26 „ 24 „ „	...	...	...	...	5	15	0
28 „ 26 „ „	...	...	...	...	6	10	0
30 „ 28 „ „	...	...	...	...	7	10	0

LAWN MOWERS.



To cut	6 in.,	suitable for a child	...	...	...	...	£1	17	0
"	8 in.,	"	"	...	...	...	2	2	0
"	10 in.,	"	a lady	...	...	...	3	0	0
"	12 in.,	"	a youth	...	...	...	3	16	0
"	14 in.,	"	a man	...	...	...	4	13	0
"	16 in.,	"	"	...	...	...	5	10	0
"	18 in.,	"	a man and boy	...	...	...	6	0	0

WATER BARROWS.



SWING BARROW, with Galvanized	}	12	18	30	gallons.
Iron Cistern		36/-	44/-	58/-	each.
Extra strong cistern		—	58/-	72/-	"

Patent Rotary Pump, with suction pipe, union, hose, and patent spreader complete, fixed to Water Barrow, £4 extra.

These Barrows, having oval cisterns, will pass through narrow doorways.

BELLOWS, ANVILS AND VICES.

No. 1. NEW PATTERN SMITHS' BELLOWS,
WITH PATENT SCREW PIPE.



16	18	20	22	24	26	28	30	32	34	36	38	40
28/-	32/-	38/-	46/-	54/-	65/-	76/-	92/-	110/-	137/-	176/-	220/-	276/-
			42	44	46	48	50	inches.				
			330/-	390/-	460/-	550/-	640/-	per pair.				

	Best warranted extra leathered and extra nailed	Best warranted extra leathered and double nailed	Extra best warranted extra leathered, doubled nailed, with two frames in top	Extra best warranted extra leathered, double nailed, with two frames top and bottom	Dis.	percent.
	"	"
	"	"
	"	"
	"	"

No. 2. ORDINARY LONG SHAPE SMITHS' BELLWS.



16	18	20	22	24	26	28	30	32	34	36	38	40
28/-	32/-	38/-	46/-	54/-	65/-	76/-	92/-	110/-	137/-	176/-	220/-	276/-
			42	44	46	48	50 inches.					
			330/-	390/-	460/-	550/-	640/- per pair.					

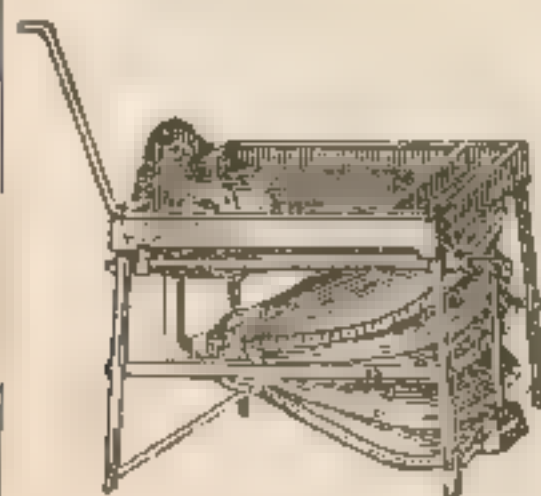
Good Common	...	...	...	...	...	...	...	<i>Dis.</i>	<i>per cent.</i>
Best warranted extra leathered and extra nailed					...	...	"	"	"
Best warranted extra leathered and double nailed					...	...	"	"	"
Extra best warranted extra leathered, double nailed, with two frames in top	...	...	...	...	...	...	"	"	"
Extra best warranted extra leathered, double nailed, with two frames top and bottom...		...	...	...	...	...	"	"	"

No. 3. LONDON PATTERN SMITHS' BELLOWS.

16	18	20	22	24	26	28	30	32	34	36	38	40	42
28/-	32/-	38/-	46/-	54/-	65/-	76/-	92/-	110/-	137/-	176/-	220/-	276/-	330/-
<div> <div>44</div> <div>46</div> <div>48</div> <div>50 inches.</div> </div> <div> <div>390/-</div> <div>460/-</div> <div>550/-</div> <div>640/-</div> <div>per pair.</div> </div>													

[illegible]

No. 4. IMPROVED PORTABLE FORGES.



IMPROVED PORTABLE FORGES.		Nett.		
		£	s	d.
2ft. long, 1ft. 6in. wide, 2ft. 6in. high, 18in. Bellows	...	3	4	0
2ft. 2in. long, 1ft. 8in. wide, 2ft. 6in. high, 20in. Bellows	...	3	8	0
	Mounted on Wheels	4	5	0
2ft. 2in. long, 1ft. 10in. wide, 2ft. 7in. high, 22in. Bellows..		3	11	0
	Mounted on Wheels	4	14	0
2ft 5in. long, 2ft. wide, 2ft. 10in. high, 24in. Bellows	...	3	14	0
	Mounted on Wheels	5	0	0
2ft. 7in. long, 2ft. 2in. wide, 2ft. 10in. high, 26in. Bellows..		5	3	0
	Mounted on Wheels	6	7	0
2ft. 10in. long, 2ft. 6in. wide, 3ft. high, 28in. Bellows	...	6	8	0
" " " "	Mounted on Wheels	7	17	0

No. 5. IMPROVED SINGLE-BLAST DECK OR RIVET FORGES.



					No.		
					£	s.	d.
1ft. 6in. wide, 2ft. 4in. high, 16in. Circular Bellows	..	.	.	.	2	11	0
1ft. 8in. wide, 2ft. 4in. high, 18in. ditto	..	...	...	..	2	14	0
1ft. 10in. wide, 2ft. 4in. high, 20in. ditto	..	..	...	...	3	4	0
2ft. wide, 2ft. 10in. high, 22in. ditto	..	..	..	..	3	10	0
2ft. 2in. wide, 2ft. 10in. high, 24in. ditto	...	..	..	.	4	2	0

No. 6. NEWLY-IMPROVED LARGE PATENT DOUBLE BLAST
7 DECK OR RIVET FORGE.



	<i>Nett.</i>
2ft. 10in high, 2ft. wide, 12in. Double Blast Circular Bellows	£5 17 0

Weights per set,

BELLOWS, ANVILS, &c. (continued).

No. 7.

PATENT CIRCULAR RIVET FORGE.

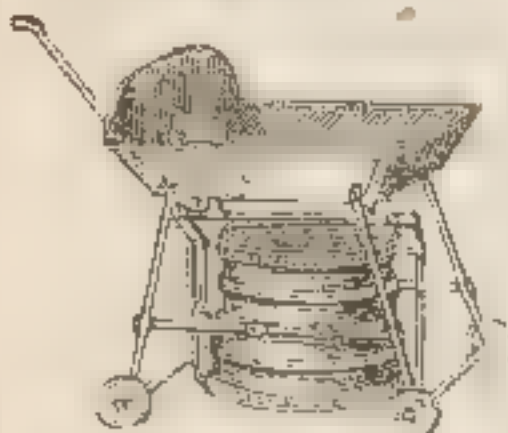


			£	s.	d.				£	s.	d.
16-inch	Circular Bellows	...	4	12	0	22-inch	Circular Bellows	..	6	15	0
18-inch	ditto	..	5	0	0	24-inch	ditto	...	7	18	0
20-inch	ditto	...	5	16	0	26-inch	ditto	...	10	0	0

First Quality—Selected materials and best workmanship...	Dis.	per cent.
Second Quality—Warranted	...	"

No. 8.

PATENT PORTABLE FORGES.



	£	s.	d.		£	s.	d.
18-inch Circular Bellows ...	6	5	0	24-inch Circular Bellows ...	8	16	0
20-inch ditto ...	6	18	0	26-inch ditto ...	11	12	0
22-inch ditto ...	7	14	0				

If Mounted on Wheels, as per Drawing,	extra, <i>nett.</i>
First Quality Selected materials and best workmanship.	<i>Dis. per cent.</i>
Second Quality—Warranted...	" " " " " "

No. 9.

PATENT PORTABLE FORGE.

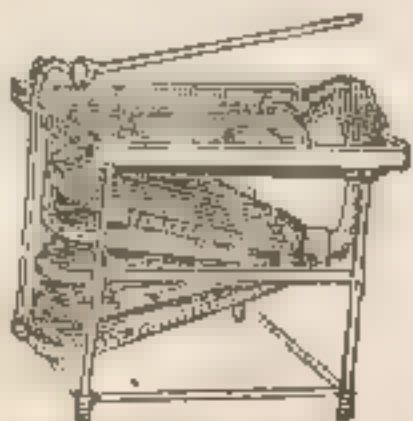
FITTED WITH DOUBLE BLAST CIRCULAR BELLOWS.

	£	s.	d.		£	s.	d.
18-inch Double Blast Bellows	...	8	0	0	24-inch Double Blast Bellows	...	11 12 0
20-inch ditto ditto	...	9	0	0	26-inch ditto ditto	...	14 10 0
22-inch ditto ditto	...	10	6	0			

First Quality—Selected materials and best workmanship	...	...	...	Dis.	per cent.
Second Quality—Warranted	...	...	...	"	"
If mounted on Wheels,	extra.	Weights per set,		extra, nett.	"

No. 10.

IMPROVED PORTABLE FORGE.



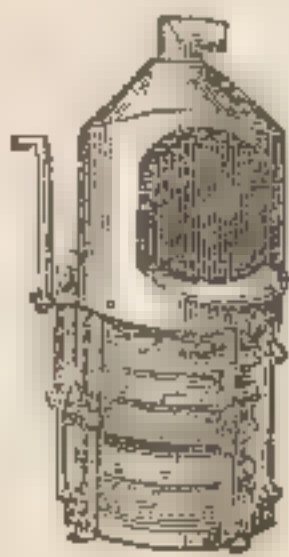
18-inch Long Shape Bellows	... ..								£ s. d.
20-inch ditto ditto	... ..								4 10 0
22-inch ditto ditto	... ..								5 0 0
24-inch ditto ditto	... ..								6 5 0
26-inch ditto ditto	... ..								7 10 0
	... ..								9 10 0

First Quality—Selected materials and best workmanship,	<i>Dis.</i>	<i>per cent.</i>
Second Quality—Warranted	... ..	" "

No. 11.

PATENT CIRCULAR FORGE,

WITH CHIMNEY HOOD AND HEARTH PLATE COMPLETE.



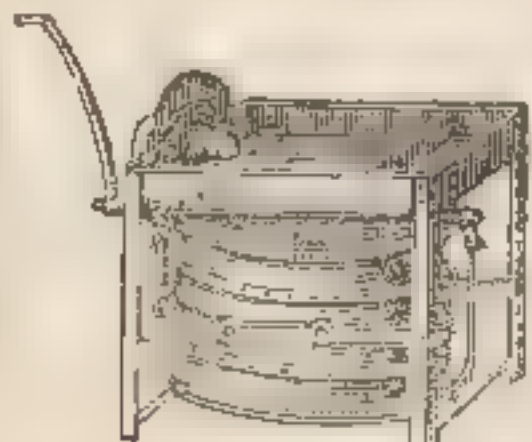
16-inch	Circular	Bellows ...	... ..	£	s.	d.
18-inch	ditto	ditto ...	... ..	6	2	0
20-inch	ditto	ditto ...	... ..	6	12	0
22-inch	ditto	ditto ...	... ..	7	8	0
22-inch	ditto	ditto ...	... ..	8	8	0
24-inch	ditto	ditto ...	... ..	9	10	0

First Quality—Selected materials and best workmanship, <i>Dis.</i>	<i>per cent.</i>
Second Quality—Warranted	"

No. 12.

IMPROVED NEW PATTERN WROUGHT-IRON
PORTABLE FORGE,

WITH CIRCULAR BELLOWS.



WITH CIRCULAR BELLOWS.		<i>Nett.</i>
		£ s. d.
2ft. 5in. long, 2ft. wide, 2ft. 10in. high, 24-in. Circular Bellows		4 12 0
2ft. 9in. long, 2ft. 3in. wide, 2ft. 10in. high, 26-in.	ditto ...	6 2 0
2ft. 11in. long, 2ft. 6in. wide, 3ft. high, 28-in.	ditto ...	7 6 0

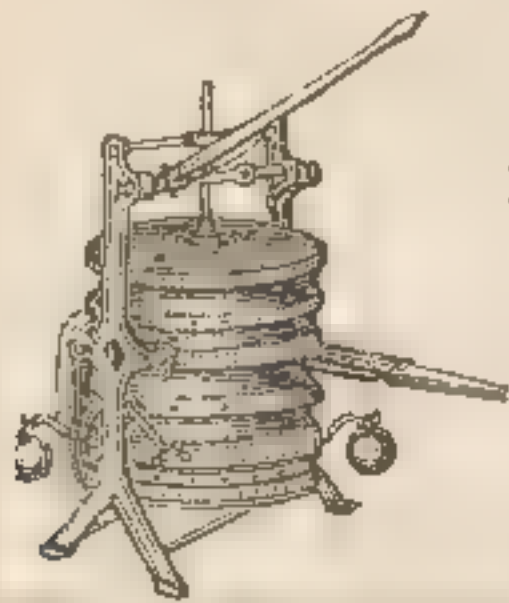
No. 13.

SINGLE BLAST CIRCULAR BELLOWS.

BEST CIRCULAR BELLOWS.															
	16	18	20	22	24	26	28	30	32	34	36	38	40	42	inch.
Iron or Wood Frames—	42/-	50/-	60/-	70/-	82/-	100/-	122/-	140/-	164/-	194/-	226/-	270/-	310/-	372/-	per pair.
	34/-	35/-	36/-	37/-	38/-	39/-	40/-	41/-	42/-	43/-	44/-	45/-	46/-	48/-	„
	Discount,							per cent.							

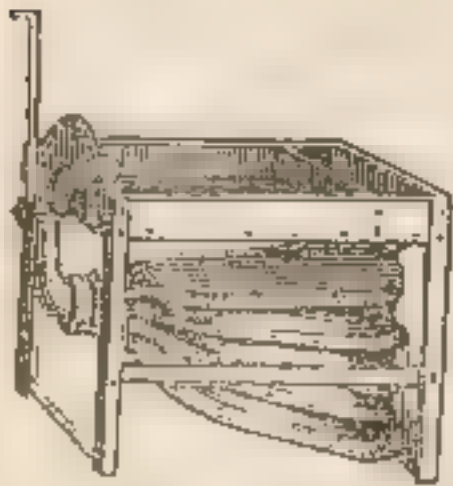
BELLOWS, ANVILS, &c. (continued).

No. 14. PATENT CIRCULAR DOUBLE BLAST BELLOWS.



18	20	22	24	26	28	30	32	34	36	38	40 inch.
115/-	132/-	154/-	176/-	198/-	230/-	268/-	300/-	357/-	400/-	455/-	520/- per pair.
If with weights,						per set extra, <i>nett.</i>					
First Quality--Selected materials and best workmanship, <i>Dis.</i>											<i>per cent.</i>
Second Quality--Warranted											"

No. 15. IMPROVED NEW PATTERN WROUGHT-IRON PORTABLE FORGES.



			<i>Nett.</i>		
			£	s.	d.
2ft. 5in. long, 2ft. wide, 2ft. 10in. high, 24-in. Bellows	...	...	3	16	0
2ft. 9in. long, 2ft. 3in. wide, 2ft. 10in. high, 26-in. ditto	...	...	5	6	0
2ft. 10in. long, 2ft. 6in. wide, 3ft. high, 28-in. ditto	...	...	6	11	0

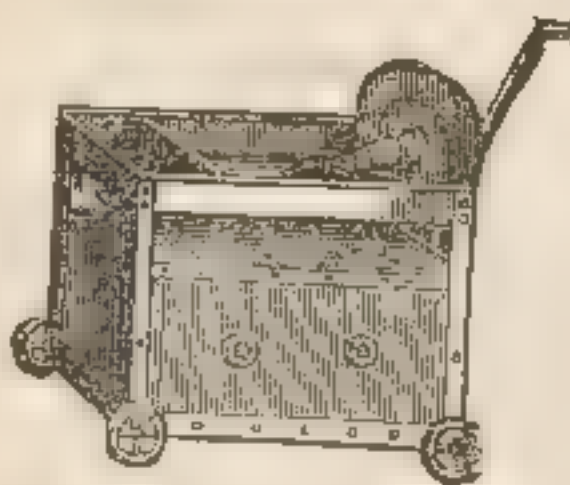
No. 16. IRON ENCASED PORTABLE FORGES.



These Forges are made expressly for out-door purposes, and are suitable for any climate. The Iron casing specially protects the Bellows, and the Blast Pipe being fitted with Ash-plug, Poker-hole, and Valve, prevents deposits from accumulating, or gases from entering the Bellows, and so avoids explosion.

			<i>Nett.</i>		
			£	s.	d.
22in. diameter by 32in. high	...	...	4	12	0

No. 17.



2ft. wide, 2ft. 6in. long, 2ft. 9in. high	...	...	6	18	0
2ft. 3in. wide, 2ft. 9in. long, 2ft. 10in. high	...	...	8	3	0
2ft. 6in. wide, 2ft. 11in. long, 2ft. 10in. high	...	...	9	9	0

No. 18. IMPROVED PORTABLE VICE WORK BENCHES.

			£ s. d.		
Best Warranted Solid Box Black Staple Vice, 4½in. jaws, weight about 40 lbs., fitted on extra strong stand, and mounted on wheels			2	8	0
4½in. jaws, about 55 lbs.	£3 0 0	5½in. jaws, about 85 lbs.	3	15	0
5in. " " 70 lbs.	3 6 0	6in. " " 100 lbs.	4	6	0

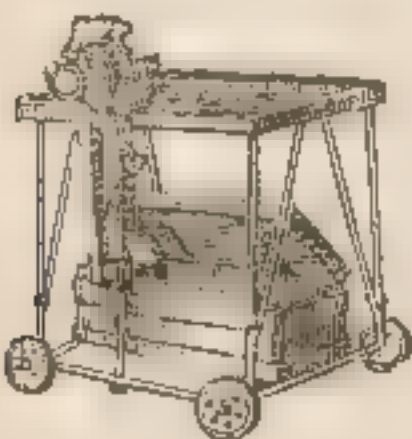
No. 19.



Best Warranted Solid Box Black Staple Vice, 3½in. jaws, weight about

30 lbs., fitted up complete, as per drawing	...	...	1	14	6
4½in. Jaw Vice, about 50 lbs.	...	...	2	1	0
6in. " " 85 lbs.	...	...	2	15	0

No. 20.



Newly-improved Square Wrought Iron Portable Vice Bench, fitted with extra strong solid box black staple vice, 6in. jaws, weight about 100 lbs., and mounted on wheels, as per drawing

If with Tool Chest, 9/- extra.

No. 21. Improved Drilling Pillar and Brace

BELLOWS, ANVILS, &c. (continued).

No. 22. IMPROVED WATER BOSHES AND TUE IRONS,
COMPLETE.

TO SUIT LONG SHAPED SMITHS' BELLOWS.

<i>Size of Bosh or Cistern.</i>	<i>Length of Tue Iron.</i>	<i>Size of Blast Hole.</i>	<i>£ s. d.</i>
1ft. 9in. long, 1ft. 9in. deep, 7½in. wide ...	14in. ...	7⁄8 to 1½in. ...	1 3 0 each, <i>nett.</i>
2ft. long, 1ft. 11in. deep, 9in. wide ...	15in. ...	1¼ to 1¾in. ...	1 9 0 „ „
2ft. 3in. long, 2ft. 1in. deep, 10½in. wide ...	16in. ...	1½ to 1¾in. ...	1 15 6 „ „

TO SUIT CIRCULAR BELLOWS.

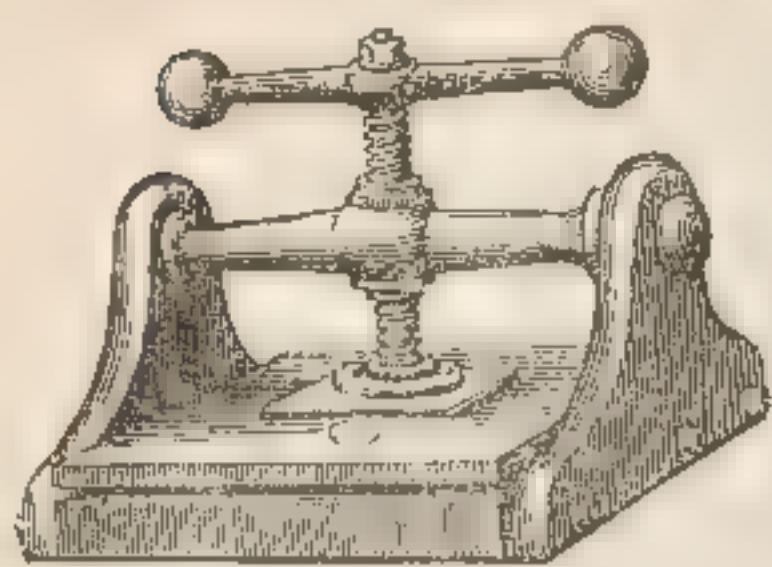
1ft. 9in. long, 1ft. 9in. deep, 7½ in. wide ...	14in. ...	7⁄8 to 1½in. ...	1 2 0 „ „
2ft. long, 1ft. 11in. deep, 9in. wide ...	15in. ...	1¼ to 1¾in. ...	1 7 6 „ „
2ft. 3in. long, 2ft. 1in. deep, 10½in. wide ...	16in. ...	1½ to 1¾in. ...	1 14 6 „ „

HOUSE BELLOWS.

	8	9	10	11	12	13	14	15	16	inch.
Bastards ...	20/-	23/-	27/-	31/-	36/-	44/-	55/-	66/-	79/-	per doz.
Best Extra Nailed ...	20/-	23/-	27/-	31/-	36/-	44/-	55/-	66/-	79/-	per doz.
Best Extra Nailed, Neat's Leather ...	...	33/-	39/-	47/-	55/-	66/-	76/-	...	...	per doz.
Best Improved Long Bristol ...	...	28/-	32/-	37/-	45/-	53/-	63/-	77/-	92/-	per doz.
Best Improved Long Bristol, Neat's Leather ...	37/-	44/-	52/-	60/-	70/-	80/-	...	...	...	per doz.
New Improved Long Bristol Pattern ...	28/-	32/-	37/-	45/-	53/-	63/-	77/-	92/-	...	per doz.
										<i>Dis. per cent.</i>
London Pattern, Red Bound and Quilted ...	20/6	22/-	24/6	28/6	...	...	...	...	...	per doz. <i>nett.</i>
With Brass Pipe and Red Leather Binding ...	22/-	24/3	27/6	30/-	...	...	...	...	...	per doz. <i>nett.</i>

	<i>£</i>	<i>s.</i>	<i>d.</i>
Smith's Anvil, London Pattern, 3⁄4 cwt. to 5 cwt. ...	1	10	0 per cwt.
Ditto ditto 2 Bicks ditto ditto ...	1	11	0 „
Engineer's Anvil, "Soho Pattern," or Long End Anvil ...	1	13	0 „
Side Bick or Coach Smith's Anvil ...	1	11	0 „
Boiler Maker's Anvil ...	1	18	0 „
Farrier's Anvil (Steeled Bick)...	1	11	0 „
Plain Anvil ...	1	10	0 „
Parallel Vices ...	0	0	8 per lb.
Bright Staple Patent Solid Box Vices ...	0	0	5½ „
Ditto ditto Brazed ditto ...	0	0	5½ „
Ditto ditto with Moveable Staple ...	0	0	6 „
Portable Vice Bench and Vice (complete)...	£1 12	0 to	3 5 0 each.
Black Staple Patent Solid Box Vices ...	0	0	5 per lb.
Ditto ditto Brazed ditto ...	0	0	5 „
Bright Vices (Flower) ...	0	0	5 „
Bright ditto ditto ...	0	0	5 „
Bench Vices ...	0	0	11 „
Joiner's Bench Screws ...	0	0	9 „

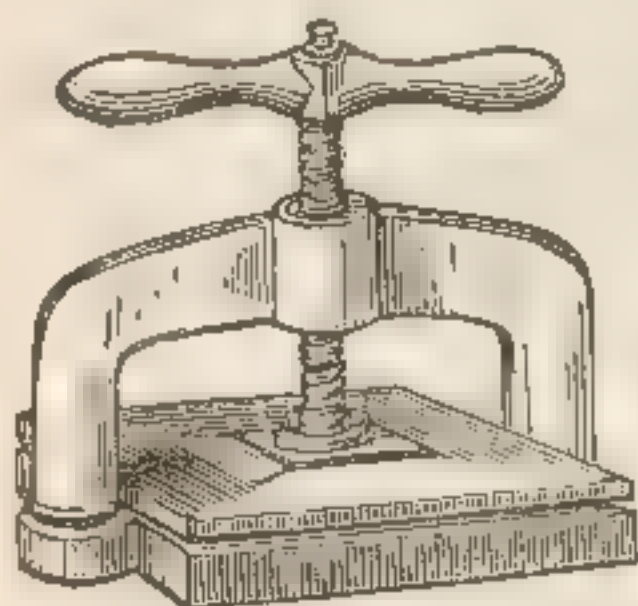
COPYING MACHINES AND SEALING PRESSES, OF THE BEST CONSTRUCTION.



No. 100.

Wrought Iron Beam and Lever.

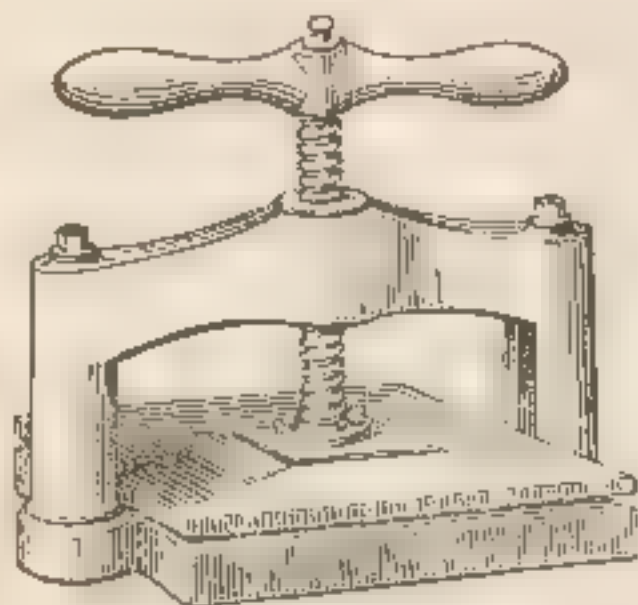
24 x 24 inches	...	£15	0	0
24 x 18 "	..	12	0	0
18 x 12 "	...	4	10	0
13 x 10½ "	...	2	14	0



No. 367.

Wrought Iron Arch.

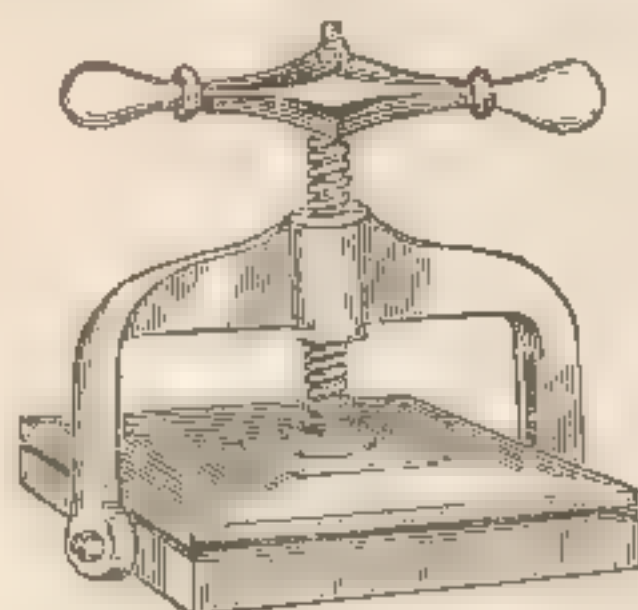
18 x 12 inches	...	£3	10	0
14 x 10 "	...	2	10	0
12 x 9½ "	...	2	8	0



No. 151.

All Cast Iron, very strong.

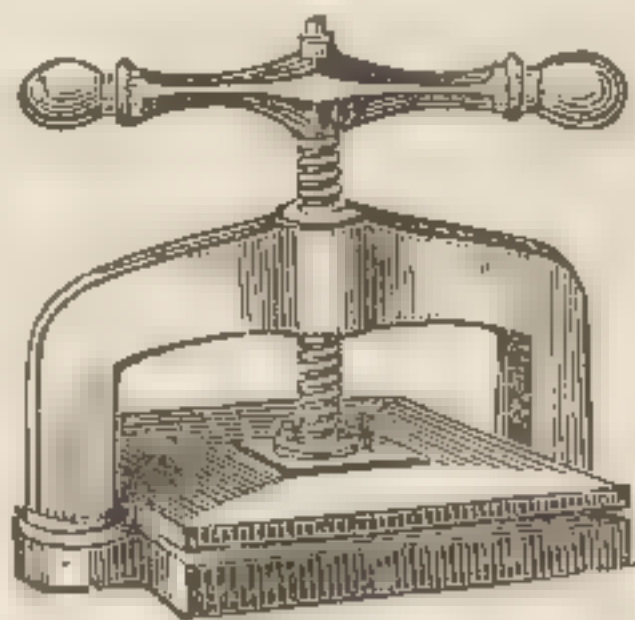
24 x 13 inches	...	£7	10	0
18 x 12 "	..	3	5	0
14 x 10 "	..	2	5	0
12 x 9½ "	...	1	16	0



No. 644.

Malleable Iron Arch and Lever.

14 x 10 inches	...	£2	2	0
12 x 9½ "	...	1	10	0



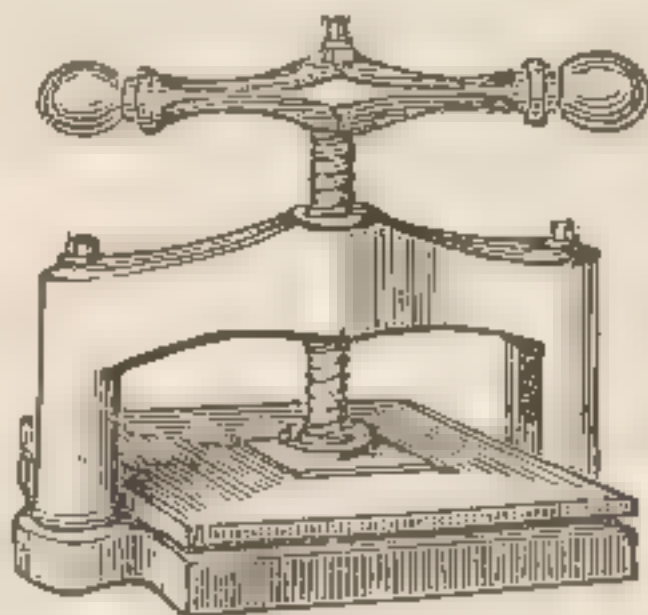
No. 650.

Wrought Iron Arch and Lever,
with Brass Mountings.

18 x 12 inches	..	£4	0	0
15 x 10 "	..	3	5	0
14 x 10 "	...	3	2	0
12 x 9½ "	...	2	15	0

All Wrought Iron.

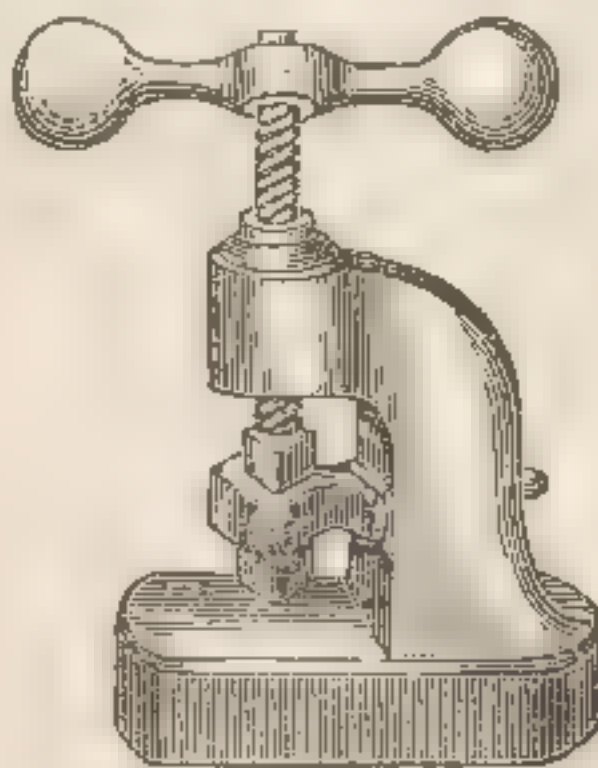
18 x 12 inches	...	£7	0	0
14 x 10 "	...	1	10	0
12 x 9½ "	...	4	0	0



No. 660.

Malleable Iron Lever, with
Brass Mountings.

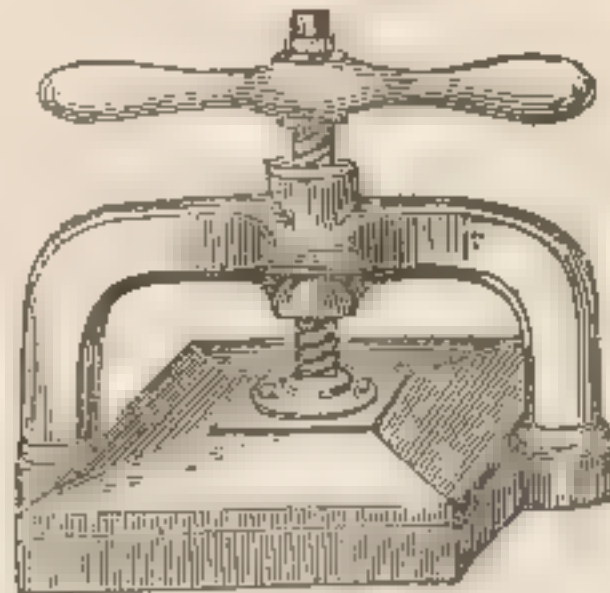
18 x 12 inches	...	£3	15	0
14 x 10 "	...	2	12	0
12 x 9½ "	...	2	4	0



No. 161.

With Gun Metal Guides.

11 x 12 inches	..	£2	10	0
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No. 1021.

All Cast Iron.

14 x 10 inches	...	£1	13	0
12 x 9½ "	...	1	5	0

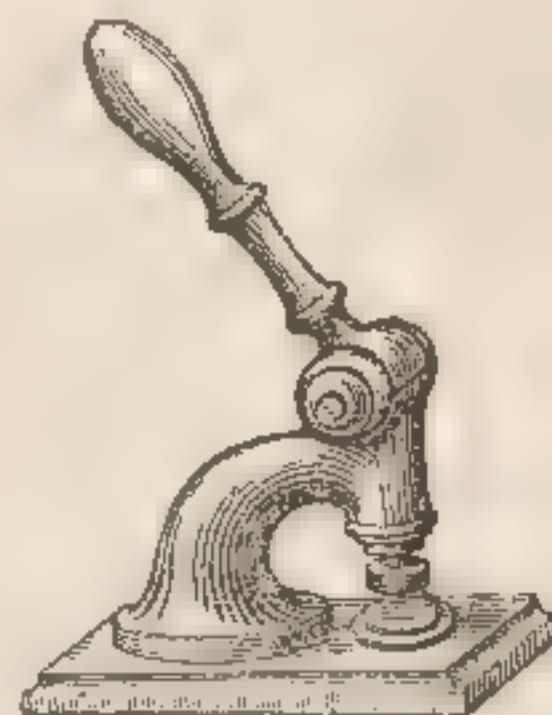
Light.

12 x 9½ inches	...	£1	0	0
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No. 1873.

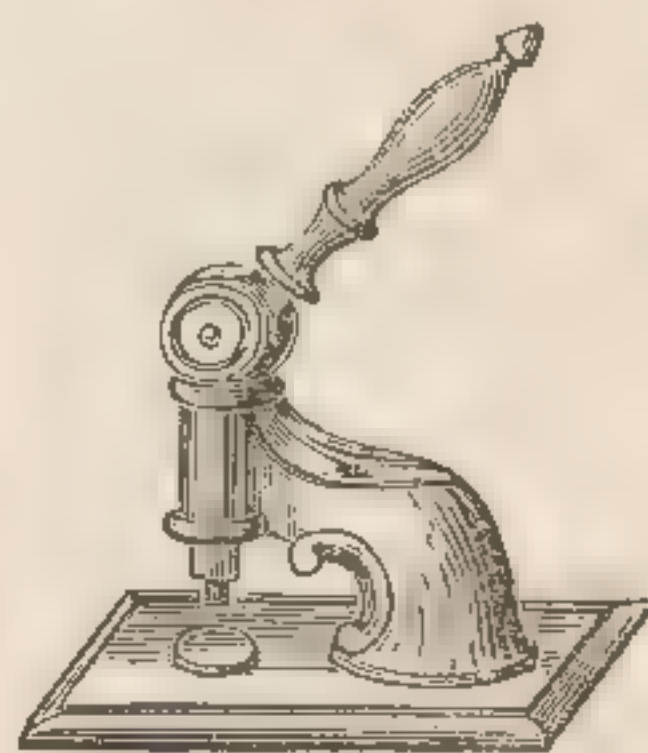
Same shape, but lighter.

12 x 9 inches	..	£0	15	0
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No. 132.

9 inches	...	£0	12	6
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No. 133.

10 x 11 inches	...	£0	17	6
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Copying Books

Blotting Books

Drying Books

Copying Paper

Oiled Sheets

Damping Brushes

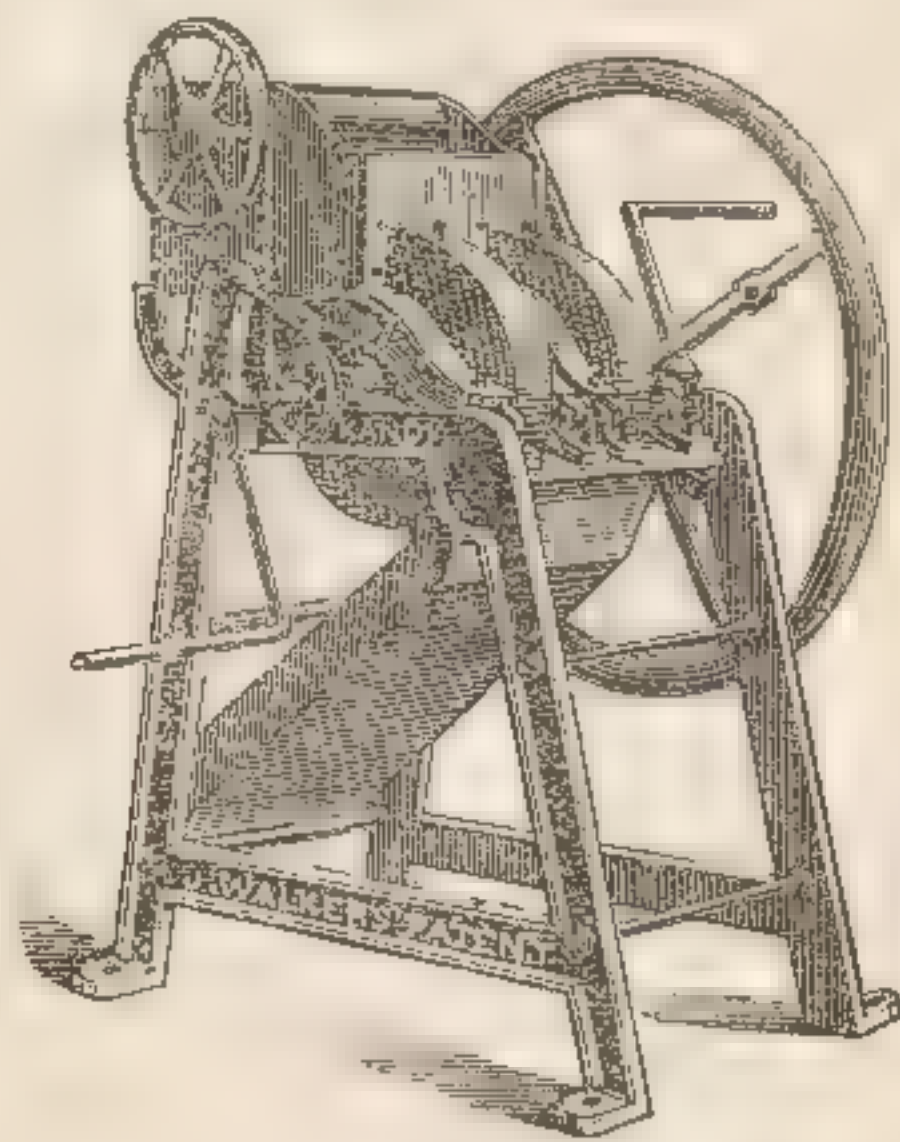
Zinc Damping Boxes

Laize Boards

Copying Ink

All of the very best quality.

COFFEE PULPERS.



THE ABOVE ILLUSTRATION REPRESENTS A

DOUBLE-DISC PULPER.

Price—including Packing, Delivery, and spare Copper Sheets	...	£30
„ for Single-Disc Pulper	... ..	£20

The Double-Disc Pulper, when worked steadily by hand, is capable of pulping 40 bushels of Cherry per hour; and the Single Disc about 20 bushels per hour. The Double Disc, when driven by power at the rate of 100 or 120 revolutions per minute, will pulp about 80 bushels per hour. These Machines are both portable and inexpensive, and are coming daily more into use in the coffee-growing districts.

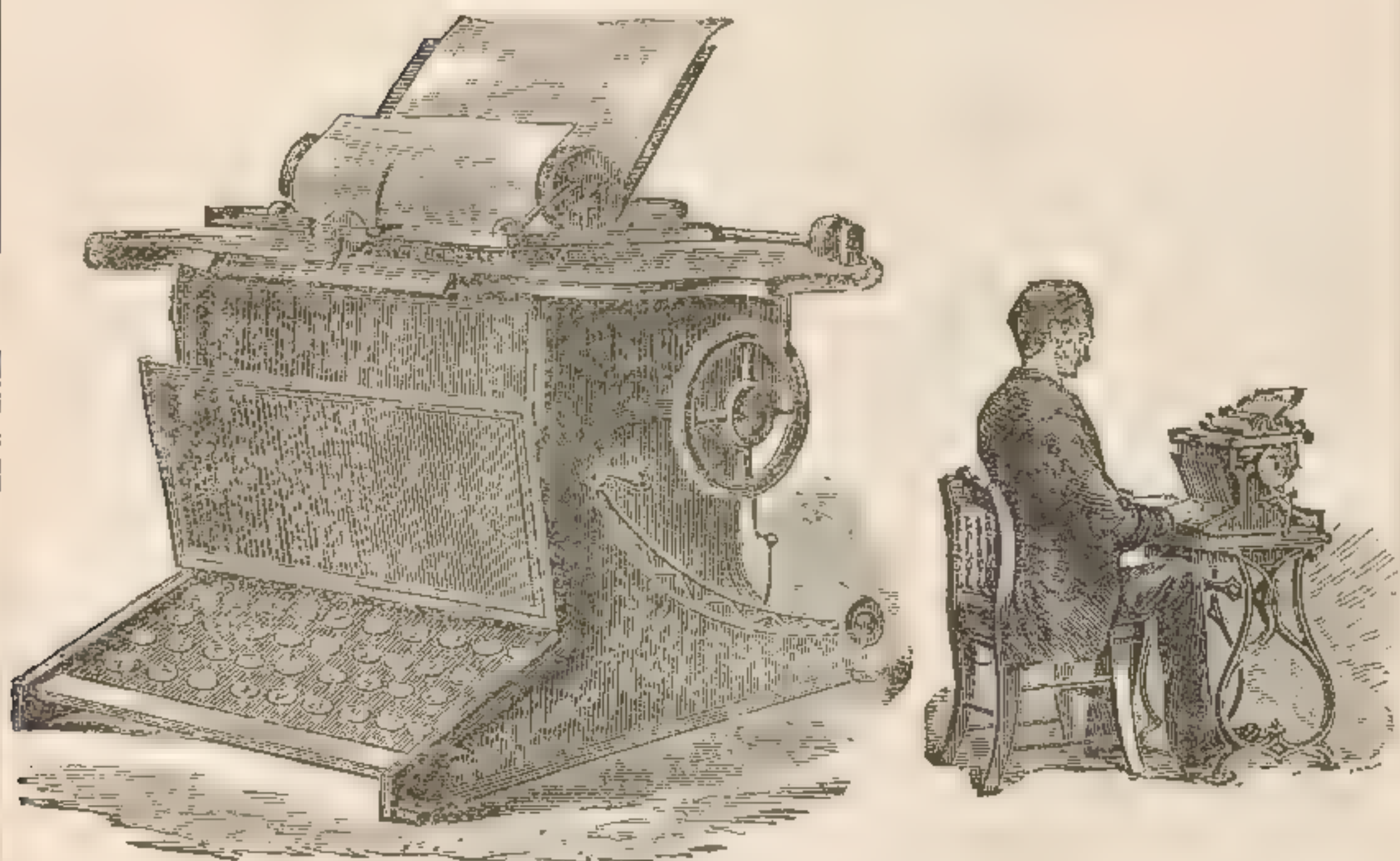
The Cylinder Pulpers of the old patterns can be had up to any price according to size, the most usual ranging from £50 to £150.

CYLINDER PULPERS,

Of various arrangements, are extensively used on the larger estates.

Price—One Cylinder	... ..	£50.
„ Two or three Cylinders	... ..	£110 to £150.

WRITING MACHINES.



THE TYPE-WRITER.

Writing with this Machine is done simply by touching keys, which are compactly arranged in four rows of eleven each, and may be worked by any finger of either hand. On each key is plainly printed the letter or character it represents. By depressing the key, the corresponding letter is printed on the paper. The "action" is fully as rapid, and much easier, than that of the piano. It will thus be seen that any desired letter or character is completely transcribed in the same time and by the one motion that is required to bring the pen into the *first* position. Its rapidity is therefore manifest. Its simplicity is such that *any one* who can spell can write with it; and its manipulation is so easily understood that but little practice is required to enable the operator to become expert in its use. The size of paper which can be used is practically unlimited, as it is adapted to any width from 3 to 8 inches, and to any length from one inch to a continuous roll. Envelopes can be readily addressed with it. It is equally adapted to any thickness of paper, and the quality of paper used is also unlimited, as it will write legibly upon the commonest wrapping paper.

PRICES.

Type-Writer with Stand and Table complete	...	...	£21
Ditto	ditto	ditto	with Cover ... £26
Type-Writer and Full Cabinet	...	...	£40
New Ribbons	...	...	5/- each.
Re-Inking Ribbons	...	...	1/6 „

WRITING MACHINES (continued).

THE TYPE-WRITER.

Extracted from the "TIMES," April 25, 1876.

The Type-Writer more nearly resembles in outward appearance a sewing machine than anything else, being a piece of mechanism about 16 inches in length, the same in width, and the same in height, measuring from the little table on which it is fixed. On the top of the apparatus is an india-rubber-coated roller termed the paper cylinder, which is $8\frac{1}{2}$ inches long and $2\frac{1}{2}$ inches in diameter, and at the side of which and parallel with it is a small wooden roller. Between these two rollers the top edge of a sheet of paper is inserted, and the cylinder slightly revolved, so that the paper is brought into the proper position to receive the first line of "writing" as it is termed. Immediately under the paper cylinder, and in line with its axis, is the ink riband, which is 12 yards in length and $1\frac{3}{8}$ inches in width. At starting the riband is wound on to a drum on one side of the machine, from which it is slowly drawn off as the operation of writing progresses, and by the aid of a spring is wound on to a corresponding drum on the other side of the machine, a portion of the riband of the length of the paper cylinder only being exposed at one time. Beneath the ink riband is a circular opening 7 inches in diameter in the case containing the mechanism, and it is at a point precisely in the centre of this opening that every letter, figure, or character is made to appear in succession to perform the operation of writing.

The types, which are of iron and case-hardened, and therefore extremely durable, are fixed in the ends of a series of levers about 3 inches in length, each having its fulcrum at a point in the circumference of the circular opening. In other words, the type levers are suspended around the opening in a well, the short arms of the levers being connected with a series of wires communicating with the actuating keys. These keys, of which there are 44, consist of glass discs or buttons, half an inch in diameter, the letter, figure, or sign represented by the type with which it is connected being shown upon it. The keys are arranged in four rows of 11 each on a key-board 9 inches long and 4 inches wide, placed in front of the apparatus. A key for forming the blank spaces between the words extends along the whole length of the board, so that it can be readily worked, no matter what position the hands may be in with regard to the type keys at the close of every word. The machine is worked by both hands in a manner similar to that in which a piano is played, the depression of each key causing the letter with which it is connected to rise quickly in the well. Upon removing the pressure from the key the type instantly descends by gravity from the horizontal into the vertical position. We have already stated that every type rises to the same central point in the opening, and as two bodies cannot occupy the same space at the same time, it follows that if two levers are raised together they will foul each other, but without doing each other any harm. As each type is raised it strikes the under side of the ink riband, and through the medium of the ink on the upper side the form of the letter is transferred to the paper. At the same time, and by means of a coiled spring, the paper and its cylinder are traversed at each touch of the key from right to left of the machine the precise distance required for the next letter to be impressed by the side of the last one. At each touch of the key, too, the ink riband is advanced a corresponding distance, being unwound from off one roller and wound on to the other. When the whole length of riband has been wound off the right hand roller, it is rewound on to it by turning a key in the same way that a clock is wound up. By an automatic arrangement a small bell is sounded just before the paper cylinder has finished its lateral travel, which indicates the circumstance to the operator. The last letter on a given line having been impressed, the operator presses a lever placed on the right of the machine, which causes the paper cylinder and its carriage to be traversed back to the right of the machine ready for its next journey to the left. The pressure of the lever also causes the paper cylinder to make a partial revolution on its axis, which brings the paper down so as to form the space between the two lines of writing. The width of this space can be adjusted to any desired extent. The operator then resumes work with the keys and repeats the manipulations we have described until the matter in hand has been completed.

With regard to the rate of speed at which the writing can be produced, it is to be observed that the average speed of the pen in ordinary writing is from 15 to 30 words per minute, the average speed of the Type-Writer being in ordinary just double. During our examination of the apparatus, writing was produced at the rate of 70 words per minute for one minute only. On extending the time, however, the speed increased after the first minute so that a fair average speed of 75 words per minute was obtained. The uses of this ingenious contrivance are so obvious and so numerous that we may content ourselves by observing that the only work to which it cannot be applied is that of book-keeping or writing in books. It is very easy to produce copies of the matter written by using a copying ink riband and copying the writing in the press in the usual way, or by placing several sheets of paper on the cylinder with carbonized paper between every two sheets and dispensing with the riband. In this latter way any number of copies from two to 16 can be produced at once. The paper may either be used in sheets or as a continuous roll, the only restriction being that relating to width. The ink riband can be used constantly for several months without requiring re-inking, but when that becomes necessary it can be removed and re-inked at a trifling cost.

Such, then, is the latest novelty in labour-saving apparatus, which is as meritorious as it is useful, and which combines the advantages of rapidity and ease of production with increased legibility. It is by no means complicated in construction, and therefore not liable to be easily put out of order. The Type-Writer cannot fail to be of service in public offices as well as in those of professional and mercantile men. As a matter of fact, it is already in use in the Admiralty, the Board of Trade, and the General Post Office. As an ingenious and practical piece of machinery it is well worthy of inspection by all who are interested in mechanical progress.



S P E C I M E N

OF THE WORK DONE BY THE TYPE-WRITER.

SPACING NO. 1.

THE AVERAGE SPEED OF THE PEN IS FROM 15 TO 30 WORDS PER MINUTE.
THE AVERAGE SPEED OF THE TYPE-WRITER IS FROM 30 TO 60 WORDS PER
MINUTE. THUS TEN HOURS' WORK WITH THE PEN CAN BE DONE WITH THE
TYPE-WRITER IN FIVE--ONE GOOD OPERATOR ON THE MACHINE BEING FULLY
EQUAL TO TWO EXPERT PENMEN.

SPACING NO. 2.

C O R R E S P O N D E N C E, - THE MERCHANT, THE BANKER, - ALL MEN OF
BUSINESS CAN PERFORM THE LABOUR OF LETTER-WRITING WITH MUCH SAVING
OF TIME, THE INK USED BEING COPYING-INK, PRESS COPIES MAY BE TAKEN
IN THE USUAL MANNER IN THE LETTER-PRESS.

SPACING NO. 3.

ANY NUMBER OF COPIES FROM ONE TO SIXTEEN CAN BE MADE AT ONCE BY THE MANIFOLD PROCESS. THE PAINSTAKING AND FATIGUE INCIDENT TO THE USE OF THE STYLUS ARE ENTIRELY OBTIATED, WHILE A BETTER RESULT IS SECURED. THE OPERATOR CAN USE ANY FINGER OF EITHER HAND, AND CAN SIT IN ANY DESIRED POSITION, THEREFORE THE DRUDGERY OF WRITING WITH THE PEN, WHEREBY A SINGLE SET OF MUSCLES IS USED, AND A CONSTRAINED POSITION OF THE BODY NECESSITATED, IS OVERCOME.



T I N W A R E .

Strictly Nett Prices.

TOILET FURNITURE, CONSISTING OF BATH, CAN, AND PAIL—

Oak	...	...	...	9/6 to 19/-	according to quality.		
Oak and gold	...	...	...	10/- to 20/6	"	"	"
Ornamented	...	...	...	10/6 to 40/-	"	"	"
CAN—				6	8	10	12 galls.
Oak	...	...	...	3/6	4/-	4/6	5/6
Oak and gold	...	...	...	4/-	4/6	5/-	6/-
BATH—				16	18	20	22 24 inch.
Oak, beaded	...	...	...	5/9	6/3	7/3	8/9 10/6
Oak, wired	...	...	...	4/6	5/-	6/-	7/- 8/-
PAIL—					1	2	3
Oak	...	...	...	...	4/3	5/-	6/3
Oak and gold	...	...	...	...	4/9	5/6	6/9

BATHS—				24	26	32	36	40 inch.
Child's, oak and white	...	...	...	5/6	6/-	7/6	9/-	11/-

				No. 1	2	3	4
Oxford	...	...	...	16/6	18/3	21/-	28/6
Ottoman	...	...	...	15/3	17/-	18/9	24/6
Sitz	...	...	...	11/6	13/9	17/-	19/-

				30	32	34	36 inch.
Sponge, oak	...	...	...	14/6	16/6	18/-	20/-

				24	28	30	33 36 inch.
Ditto oak and white	...	...	...	5/6	6/-	7/-	8/6 10/6

				42	48	54	60 72 inch at bottom.
Immersion, oak and marble	...	...	...	30/-	35/-	42/-	50/- 60/-

						4	5 pillars.
Shower, with curtains (complete)	65/-	75/-

WASH STANDS—

With jug and pail	12/-
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						No. 1	2
With jug	10/-	11/-

With jug and pail, covered top	17/6
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						No. 1	2
With bath can and basin, with large stand	28/-	32/-

SLOP PAILS—

						1	2	3
Galvanized iron, light	3/6	3/9	4/-

Ditto ditto strong	4/6	5/-	5/9
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Japanned brown	3/-	3/9	4/6
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BOILER FILLERS—	2	3	4	5	6	7	8 pint.
Oak

WATERING CANS—	1	1½	2	3	4	6	8	12	16	20 qts.
Round

TRAVELLING TRUNKS—

Oak	...	...	...	...	...	...	...	...	...	...

Brighton, marone	...	...	...	...	...	...	...	...	...	...

TINWARE (continued).

TRAVELLING TRUNKS (continued)—

			21	24	27	30 inch.				
Scarboro', oak	...	...	11/-	13/-	16/-	20/-		
			18	21	24	27 inch.				
Torquay, black	...	...	... 7/-	8/-	9/-	10/-	
			13	14	16	19	21	24	27	30 in.
Flat Top Deed Box, black	8/-	9/-	11/-	14/-	18/-	22/-	28/-	35/-		
			12	13	14	15	16 inch.			
Bonnet Box	4/6	4/9	5/-	5/9	6/6		

LETTER BOXES—

Small	...	2/6	Large	...	3/-	Lock -/9 extra.
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SPICE BOXES—

With round boxes	5/6
Ditto divisions	...	7 inch	...	3/6	8 inch	... 4/-

TEA CADDY—

6 oz.	...	1/3	8 oz.	...	1/6	12 oz.	...	1/9	16 oz.	...	2/-
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CANNISTERS—

Round or Square	...	-/3	-/4	-/5	-/6	-/7	-/8
-----------------	-----	-----	-----	-----	-----	-----	-----

			1	1½	2	3	4	6	8 lbs.
Ditto	ditto	...	-/9	-/10	1/1	1/4	1/9	2/6	3/-

LETTER CAGES—

					2	3 divisions.
Oak, complete	4/6	5/6
Oak, without date or drawer	2/9	3/9

INVOICE CASE—

Brown	2/3	3/3	Oak -/6 extra.
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SPITTOONS—

Brown, white	7/-	8/-	doz.
Japanned oak	11/-	doz.	Brass	...	12/-	doz.

CASH BOXES—

Common, Fillet	2/6	2/9	3/3	3/6	3/9	5/-
Middle	„	...	4/-	4/6	5/-	5/6	6/6	7/6
Best	„	Tumbler Locks	5/6	5/9	6/3	6/9	7/9	8/9
Best	„	Hobb's	8/-	8/3	8/9	9/3	10/9	11/9
Oak and gold hoops Tumbler	„			6/-	6/3	7/3	8/3	9/3
Ditto	ditto	Hobb's		8/9	9/3	9/9	11/3	12/3

DESPATCH BOXES—

Black and filletted, two trays } —	37, 6	42 6	45, 6	56/-	each.
Hobb's Locks }					
With loose tray for stationery and } 33/6	40/-	44, 6	48/-	58, 8	each.
ornamented panels, Hobb's Locks ... }					
Black and filletted, with loose } 30/-					
tray and cash tray, Hobb's Lock ... }					

HAND SCOOPS—

Black	9/6	10/-	doz.	Opal Handle 8/- extra.
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WOOD COAL VASES, brass mounted with brass scoops and linings—

The Bradford, walnut	42/-
The Victor, stained walnut	...	...	...	...	25/-
The Warwick, oak	...	...	...	...	46/-
Ditto ditto walnut	50/-
The Westminster, oak	36/-

COLLAR BOXES—Round	...	-/11	Oval	...	1/-
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DATE CASES—2/6.

TINWARE (continued).

COAL VASES—					1	2						
Purdonian, fillet	5/6	6/6						
Ditto metal border	6/-	7/-						
Ditto gold	...	...	...	...	7/-	8/-			
Alexandra, fillet	...	...	...	...	12/-	13/-			
Ditto metal border	...	...	...	...	12/6	14/-			
Ditto gold border	...	...	...	...	14/6	17/-			
Midland, fillet	...	...	...	...	8/6	10/6			
Ditto metal border	...	...	...	...	9/-	11/-			
Ditto gold border	...	...	...	...	11/-	13/-			
COAL SCOOPS—					14	15	16	17	18 inch.			
Waterloo, japanned	...	1/6	1/9	2/-	2/3	2/6	2/9					
Ditto galvanised	...	1/9	2/-	2/3	2/6	2/9						
CARRIAGE LAMPS—												
Black japanned	...	...	...	...	...	...	12/-		
Ditto blue or ruby glass, engraved side	...	...	...	...	...	...	16/-		
Ditto square sides	...	...	...	...	...	...	17/-		
If plated mounts, 8/- extra.												
STABLE LANTERNS—					7	8	9	10	11 inch.			
Bright	...	...	1/9	2/-	2/6	3/-	4/-			
Japanned wired	...	4/6										
HAND LANTERNS—					1	2	3					
Police, dark	...	...	1/9		2/2	2/9				
Square sides	...	...	3/9		4/9	5/9				
RAILWAY CARRIAGE READING LAMPS, 6/6. With brass candle tube, 7/6												
DASH LAMPS, with hoops at the back, from 5/- to 7/-												
STREET LAMPS, painted and glazed—												
Tin frame	...	11/3			Copper 16in.	...	37/6					
Copper frame	...	27/-			„ 18in.	...	40/-					
OUTSIDE SHOP WINDOW LAMPS, with fittings complete, 14in., 42/-; 16in., 47/-												
DISH COVERS, plated handles—												
9	10	11	12	14	16	18	20	inch.				
7/-	7/6	9/-	10/-	11/6	13/6	18/-	21/-					
Cheaper if required.												
		10	12	14	16	18	20	22	24 inch.			
Ditto Wire gauze	...	-/7	-/10	-/11	1/2	1/4	1/8	2/1	2/6			
HOT-WATER DISHES, with earthenware pans—												
Venison	...	...	...	18in.,	22/-	20in.,	24/-	22in.,	27/-
Meat	...	10in.,	4/-	11in.,	4/6	12in.,	5/-	14in.,	6/9	16in.,	8/3	
CHEESE TOASTER												
...	...	...	10in.,	6/-	11in.	7/6				
TUREENS—					9	10	11	12	13	14	16	18 inch.
Oval	...	—	—	10/-	11/-	—	13/-	15/-	—			
Oblong	...	5/-	5/6	6/6	8/-	9/6	11/6	14/-	17/-			
TEA AND COFFEE URNS—												
	2	3	4	5	6	7	8					galls.
	17/6	20/-	22/6	25/-	28/-	31/-	34/-					
If with two taps, 3/- extra.												
				4	6	8	10	12				qts.
Ditto—better finished, plated tap	...	18/6	20/-	22/6	25/-	28/-						

TINWARE (continued).

TEA POTS—		2	3	4	5	6	8 gills.
Bellied ...	...	2/-	2/3	2/6	2/9	3/-	4/-
Ditto, common ...	...	1/3	1/4	1/6	1/7	1/8	1/9
		1	1½	2	3	4	5
Oval, ditto ...	...	5/-	6/-	7/-	8/-	9/-	10/-
Ditto, bright ...	...	7/6	8/6	9/6	11/-	12/-	14/-
Ditto, better quality ...	...	9/-	10/6	12/-	14/-	16/-	18/-
COFFEE POTS—		1½	2	3	4	5	6
Round, common ...	...	-/8	-/9	-/11	1/-	1/4	1/7
Hexagon, better quality	...	2/9	3/-	3/3	3/6	3/9	4/-
		2	3	4	5	6	7
CAFETIERS ...	...	1/9	1/11	2/1	2/8	2/11	3/5
KETTLES—		2	3	4	5	6	7
Common oval ...	...	1/1	1/4	1/7	1/10	2/1	2/4
Planished oval ...	...	2/6	2/9	3/-	3/3	3/6	4/-
Bright top oval...	...	1/9	2/-	2/3	2/6	2/9	3/-
NURSERY LAMPS—complete ...		0, 4/-	1, 4/6	2, 4/10	3, 5/4		
MILK SAUCEPAN—			1½	2	3	4	5
Wedgewood Pan ...	...		2/3	2/9	3/-	3/9	4/6
EGG POACHERS ...							4/-
WINE STRAINERS ...					Single, 1/4		Double, 2/-
					1	2	3
GRAVY STRAINERS ...					-/8	-/9	-/10
					1/-	1/2	1/4
		1½	1	1½	2	3	4
SAUCEPANS ...		-/10	1/1	1/2	1/5	2/-	2/6
					3/-	3/6	
				15	17	19	21
FISH KETTLES ...				5/-	6/-	7/6	9/-
							11/-
OVAL BOILERS—		1½	2	2½	3	4	5
Strong ...	...	1/6	1/9	2/-	2/3	2/9	3/9
SOLITAIRE ...					Single, -/8	Double, -/11	
					1	2	3
							4
ETNA ...					1/3	1/6	2/-
							2/9
BASTING SPOONS ...					1, -/8	2, -/10	3, 1/-
FISH SLICES, oblong or square ...					1, -/6	2, -/9	3, -/10
EGG LADLES ...						1, 4/-	2, 4/6 doz.
POTATO PASTY PANS ...					1, 3/6	2, 4/-	3, 4/6
CULLENDERS				9½	10½	11½	12½
Stamped handle each side ...				1/10	2/5	2/11	3/2
Ditto with long handle				1/-	1/3	1/6	1/9
TONGUE PRESSER					6, 2/-	7, 2/6	8, 3/-
With screw ...					4/6	5/-	5/6
BASINS—		9	10	11	12	13	14
Tinned	...	7/-	7/6	9/-	11/-	13/6	16/6
Galvanized	...	6/3	6/9	8/-	10/3	12/6	15/6
JACK SCREENS ...		24 × 19, 19/-	26 × 21, 22/-	30 × 24, 27/-			
BACON BROILER, enamelled pan, 5/6.			Size smaller, 3/-				

TINWARE (continued).

DUTCH OVENS	...	...	1,	1/6	2,	1/9	3,	2/-
GAME OVENS	...	12in.,	3/3	13in.,	4/-	14in.,	5/-	
DRIPPING PAN, with well	...	17	19	21	24	27	30	inch.
		2/6	2/9	3/-	3/6	4/6	5/6	
		Without well, 1/- less.						
GRATERS	...	...	1,	-/9	2,	1/-	3,	1/3 dozen.
PEPPER BOXES	...	...	Bright, 5/-			Bright top, 3/6 dozen.		
FLOUR DREDGERS	...	...	1,	7/-	2,	8/-	dozen.	
FUNNELS—	1/2	1	1 1/2	2	3	4	6	8 12 pints.
	2/-	3/-	4/-	5/-	7/-	9/-	12/-	15/- 20/- doz.
ALE WARMERS	...	...	1,	-/8	1 1/2,	-/10	2 pints, 1/-	
KNIFE BASKETS—			12	15	inch.			
Tin lined	...	...	5/-	6/-				
Baize lined	...	...	3/-	4/-				
STOMACH WARMERS	...		Block tin, 2/3		Copper, 4/6			
FOOT	„	...	„	3/6	„ 7/-			
CARRIAGE	„	...	„	5/-	„ 10/-			
BOTTLE	„	...	„	2/6	„ 5/-			
MILK PANS—		14	16	18	20	22	24	inch.
		1/3	1/6	1/9	2/3	2/9	3/3	
OIL CANS—		1/2	1	1 1/2	2	3	4	pints.
		-/5	-/7	-/9	1/-	1/6	2/-	
With spring	...	15/-	17/6	dozen.				
PUDDING MOULDS—			1	2	3	4	5	
			3/-	4/-	5/6	6/6	8/6	dozen.
JELLY MOULDS, 2 pints	...		Tin'd copper, 2/9			Bright copper, 3/6		
						1	2	3
Oblong, oval, or round, assorted patterns	...					1/4	1/6	1/8
			1	2	3	4	5	6
Oval covered	...	1/9	2/-	2/3	2/6	2/9	3/-	
FRENCH PIE MOULDS—		5 1/2	6 1/2	8	8 3/4	9 1/2	inch.	
		3/-	3/6	4/-	5/-	6/-		
PATTY PANS—	6	7	8	9	10	11	12	inch.
Plain	...	2/6	3/-	4/-	4/6	5/6	7/-	8/6 doz.
Crinkled	...	3/6	4/-	4/6	5/6	7/-	9/-	10/- „
KNIFE TRAYS	...	Stamped fillet, 4/6						
			15	16	17	18	inch.	
Hand-made, silver lines	...		2/-	2/2	2/4	2/6		
MATCH BOXES	...	...	9/6	dozen.				
DUST PANS—			1	2	3			
Japanned	...	...	1/-	1/3	1/6			
Common tin	...	..	-/10	1/1	1/4			
CANDLE BOXES	...	...	10in.,	1/3	12in.,	1/6	14in.,	1/9
HOUSEMAID'S BOX, OAK	...		1,	4/3	2,	5/-		
PLATE CARRIERS	...	Oak and white, 8/6						
CANDLESTICKS—					7 1/2	8 1/2	inch.	
Bright	...	...	...	...	9/-	10/-	dozen.	
Coloured grounds	...	...	...	...	14/-	15/-	„	
Flat bottom, with glass tulip shades	...	...	...	...	1/8	each.		
Ditto with straight glass shades	...	...	...	...	1/10	„		

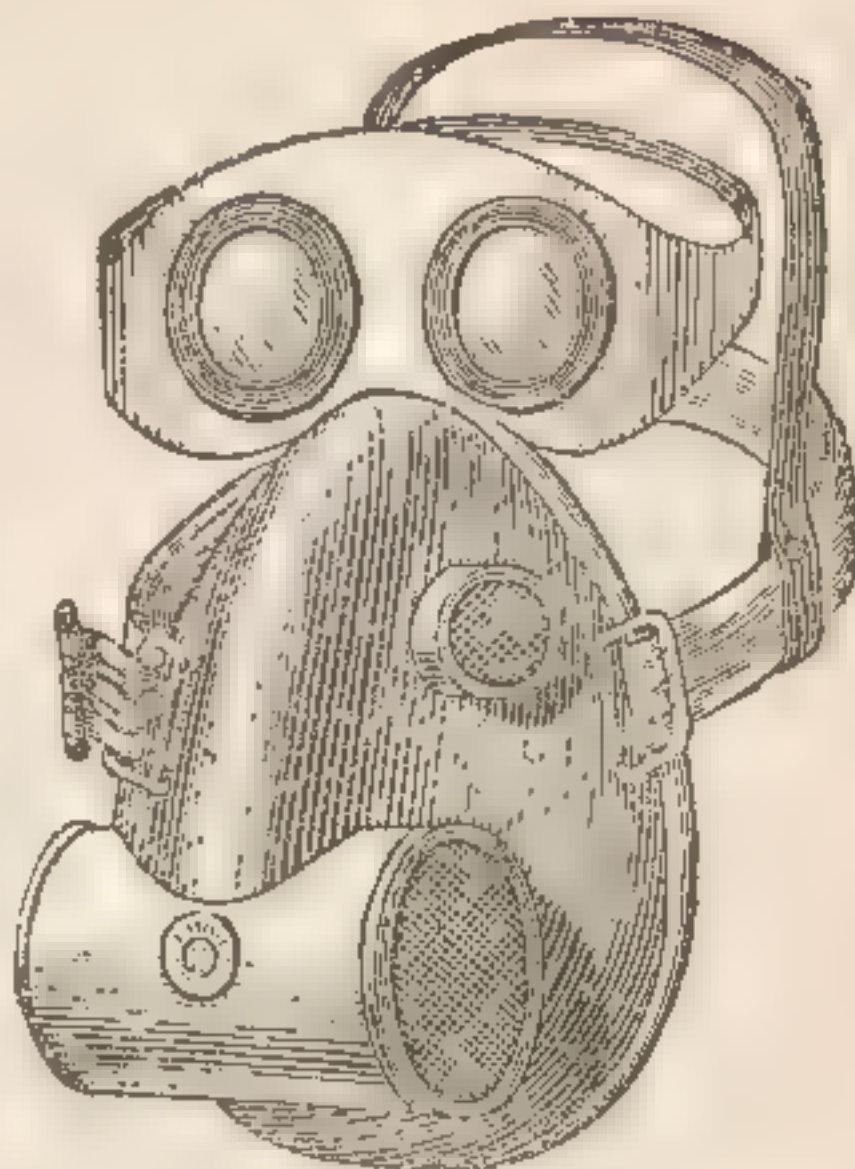
FIRE "EXTINCTEURS,"

(DICK'S PATENT).



L'EXTINCTEUR.

THE Chemical Fire Engine L'Extincteur is filled with water densely charged with carbonic acid gas—this is effected by the admixture of two chemicals when the Extincteur is filled with water. It remains charged for years, and is always ready for action; is portable and self-acting, and can be used by one person, male or female, and is perfectly harmless to Life, Health, or Property.



TYNDALL'S PATENT RESPIRATOR.

The marvellous power of L'Extincteur over the ordinary Hand Pump is best illustrated by the following competitive trial that took place by command of the War Office authorities on Plumstead Marshes, in October, 1868.

COMPETITIVE TRIAL OF L'EXTINCTEUR, HYDROPULT, AND HAND PUMP.

By way of exhibiting the power of L'Extincteur over the ordinary appliances that have hitherto been solely in use, we append the results of a competitive trial that took place in Plumstead Marshes, October, 1868, by command of the War Office authorities, and under their superintendence.

These results show the comparative merits of L'Extincteur, the Hydropult, and the Hand Pump supplied to the London Fire Brigade.

The piles for the contest consisted of three erections of timber, each forming three sides of a square 27 feet 9 inches by 9 feet 8 inches high, fitted up with shelves stuffed with highly inflammable material from Woolwich Arsenal.

These erections having been ignited and allowed to burn fiercely, the order was given to extinguish the fires, with the following results:—

No. 1, EXTINGUEUR.—The fire attacked by *two* men, and extinguished in 7½ minutes.

No. 2, HYDROPULT.—The fire attacked by *five* men, with an unlimited supply of water, and extinguished in 15 minutes.

No. 3, HAND PUMP.—The fire attacked by *seven* men, with an unlimited supply of water, could not extinguish the fire, nor make any impression on it.

This fire subsequently extinguished by L'Extincteurs.

PRICES (exclusive of packing):

No. 4	...	...	...	...	£5	5	0	Charges, 4/6 each.
No. 5	...	...	...	...	£6	0	0	" 5/6 "
No. 6	...	...	...	...	£7	0	0	" 7/- "
Improved Leather Yokes, 5/- each.								

INSTRUCTIONS HOW TO CHARGE THE CHEMICAL FIRE ENGINE.

1st.—Remove top cap, unscrew the top brass, and withdraw it.

2nd.—Put the contents of the white canister into the Engine, and fill to the brim with water, then agitate to ensure chemicals being dissolved.

3rd.—Draw back brass rod, place glass bottle into brass cradle attached, press down brass rod until upper portion of cradle rests upon shoulder of bottle, so as to secure bottle from falling out. The bottle is never upon any pretext to be uncorked.

4th.—Insert cradle into the Engine, then screw it firmly down. Replace top cap.

5th.—The Engine remains in this state until required.

6th.—When required, remove top cap; strike the brass knob with the mallet until you feel the bottle is broken; the Engine is then ready for use.

It is absolutely necessary that the chemical charges be procured from myself or authorised agents, as the chemicals are specially prepared for the Machine, and none else will give off the quantity of gas required.

HOW TO USE IT.

Keep it upon a pedestal or Table, about three feet from the ground.

Put the arms through the straps, take the Engine on the back, with the left hand turn the tap, and with the right direct the jet upon the flames.

Tyndall's Smoke Respirator, with Hood	...	...	...	...	£5	5	0	each.
" " " with Goggles	...	...	...	...	£2	10	0	"
" Combined Respirator, with Air Tube for Mephitic Gases	...	...	...	...	£3	0	0	"
India-Rubber Tubing for ditto, with spiral wire, 1/2 per foot.								

SPOONS AND FORKS

(TINNED IRON).

Tea Spoons ...	...	...	4½ inch	...	...	1/10	per gross.
Ditto ...	...	...	5 "	...	...	2/-	"
Ditto ...	...	...	5¼ "	...	...	2/5	"
Dessert Spoons	...	...	6 "	...	...	2/8	"
Table Spoons	...	...	7½ "	...	...	4/-	"
Ditto	...	...	7⅝ "	...	...	4/6	"
Ditto	...	...	7¾ "	...	...	4/9	"
Ditto	...	...	8¾ "	...	...	5/9	"

NEW PATENT CORRUGATED PATTERN.

Tea Spoons ...	...	...	5¼ inch	...	...	3/6	per gross.
Ditto ...	...	...	5¾ "	...	...	3/9	"
Dessert Spoons	...	...	6½ "	...	...	5/-	"
Table Spoons	...	...	7¼ "	...	...	6/6	"
Ditto	...	...	8 "	...	...	8/3	"
Ditto	...	...	9 "	...	...	10/-	"
Ditto ex. strong, ground edges	...	...	9 "	...	...	12/-	"
Table Spoons (new pattern)...	...	...	8¼ "	...	...	8/3	"
Forks	...	...	6¾ "	...	...	8/-	"
Ditto	...	...	7½ "	...	...	9/-	"

NEW THREADED PATTERN.

Tea Spoons ...	...	...	5¾ inch	...	...	3, 9	per gross.
Table Spoons	...	...	7¼ "	...	...	6/6	"
Ditto	...	...	8 "	...	...	8/3	"
Tea Spoons	...	...	5¼ "	...	...	3/3	"
Table Spoons	...	...	7¼ "	...	...	6/-	"
Ditto	...	...	8 "	...	...	7/3	"

BEST THREADED PATTERN.

Tea Spoons ...	...	...	5¼ inch	...	...	3/9	per gross.
Ditto ...	...	...	5¾ "	...	...	4/3	"
Dessert Spoons	...	...	6½ "	...	...	5/6	"
Table Spoons	...	...	7¼ "	...	...	7/3	"
Ditto	...	...	8 "	...	...	9/3	"
Forks	...	...	6¾ "	...	...	9/-	"
Ditto	...	...	7½ "	...	...	10/-	"
		10	12	14	16	18	inch.
Basting Spoons	...	1, 6	1, 9	2, 1	2, 6	—	doz.

NEEDLES.

EGG-EYED OR DRILLED-EYED NEEDLES,			
1st Quality.			Per M.
Sharps, Blunts, Betweens, Ground-downs, Straw, and Darning	...	...	5/6
Ditto in envelopes	...	...	6/-
Ditto Long-eyed Embroidery	...	...	6/-
Groveless, Drilled or Egg-eyed Sharps, in papers	...	...	5/-
Queen's Groveless Drilled-eyed	...	...	4/6
Egg-eyed Double Long	...	...	5/-
Spring Steel Darners, egg-eyed	...	...	5/-
Ne-plus-ultra Sharps	...	...	5/-
Ecliptic-eyed ditto	...	...	3/6
Burnished Egg-eyed ditto	...	...	3/6
Victoria Crown ditto	...	...	3/-
Ditto Feather ditto	...	...	2/6
Penny Papers, Sharps, Darning, and Straw	...	(per gross)	8/-
Ditto ditto 2nd quality	...	...	4/6
1/2 d. ditto ditto	...	...	4/-
Gold-eyed Needles, varying from 1/3 to	...	...	5/-
Walters' Needles	...	...	1/9
Coles' ditto	...	...	1/6
Lamb & Co. Sharps	...	...	1/5
Franklin's ditto Egg-eyed	...	...	1/2
Dykes' ditto	...	...	1/-
London Sharps	...	...	1/3
Silver Brilliant Sharps	...	...	1/-
Common ditto	...	...	10/-
Superfine Elastic Double Long Darning Needles	No. 17	18 1 to 6	
	3/6	3/- 2/9	
Cast Steel Darners	...	...	2/6
Superfine Looping Needles	No. 12	13 14 15	
	13/-	8/- 7/6 5/-	
Ditto ditto Yarn ditto—	No. 15	16 17 18	
	4/-	3/6 2/9 2/3	
Ditto Bookbinder's ditto—	4 1/2	5 5 1/2 inches.	
	7/-	8/- 10/-	
Glover's Needles, 1st quality	...	...	10/-
Harness Needles	...	...	6/-
Rug ditto	...	...	8/-
Beading ditto	...	...	8/-
Tambour ditto	...	...	...
Crotchet ditto, Steel, Bone, and in Bone Handles, Penelopes, and every variety.	...	...	...
SEWING MACHINE NEEDLES. Gross.			
For Thomas's No. 1, 1 1/2, and 2 Machine	...	...	9/6
" " 3, ditto	...	...	10/6
Wheeler and Wilson's	...	...	11/-
Howes' 2 and 3 Machine	...	...	10/-
Elliptic	...	...	11/-
Wanzer	...	...	10/-
Florence	...	...	11/-
Singer's for Standard, Medium, and Family Domestic Machines	...	...	9/-
Willcox and Gibbs	...	...	15/-
SURGEON'S NEEDLES			
of every description made to pattern.			
STEEL NEEDLE POINTS			
1/3 and 1/6 per lb.			
BLUE STEEL PINS WITH GLASS HEADS,			
In Boxes from 1 to 3 doz., from -/9 to 3/- gro.			
FANCY BOXES AND CASES.			
Large Boxes containing 10 small Boxes, and furnished with 1000 Needles, from 1/- to 7/6 each.			
Large Boxes containing 5 small Boxes, and furnished with 500 Needles, from -/8 to 5/- each.			
Synoptical Cases containing 100 Needles each, 2/6 3/- 4/- 5/- 6/- 7/- 8/- doz.			
Best Fancy Cases containing 100 Needles each, varying from 2/6 to 30/- doz., including the Registered Pic-Nic Case, 9/- and 9/6; Pocket Case, 9/- and 9/6; Alexandra, 9/6; Album, 8/6; Vienna Surprise, 12/- doz.—Morocco and Russia Leather, Gilt and Metal Cases, in every variety, warranted.			
BODKINS.			
Superfine Large Polished Steel	...	...	2/-
Ditto Middle ditto	...	...	1/9
Gilt or Plated	...	...	1/-
Steel, Plain, or Fancy, Large	...	...	-/9
Ditto ditto ditto Middle	...	...	-/7
KNITTING PINS, &c.			
Superfine Best Cast Steel Tapered Points—			
	No. 12	13 14 to 20	
	3/6	3/- 2/6	
Best Steel Elastic ditto—			
	No. 12	13 14 15 to 20	
	2/9	1/9 1/6 1/3	
2nd quality ditto ditto—			
	2/-	1/6 1/3 1/1	
Customer's name on Labels if required, an order being for a reasonable amount.			
			Gross.
Long-eyed Mattress Needles	...	...	10/-
Round-eyed ditto ditto	...	...	12/-
Upholsterers' Needles	...	...	15/-
Stay ditto	...	...	10/-
Netting ditto	...	...	12/-
Mesh Pins	...	...	3/-
PACKING NEEDLES.			
No. 6	...	8 inches long	12/-
" 7	...	7 ditto	9/-
" 8	...	6 1/2 ditto	6/-
" 9	...	6 ditto	5/6
" 10	...	5 1/2 ditto	4/6
" 11	...	5 ditto	3/6
" 12	...	4 1/2 ditto	3/-
" 13	...	4 ditto	2/6
" 14	...	3 1/2 ditto	2/-
FORGE CAST STEEL SAIL NEEDLES.			
			Per M.
No. 7	...	Large Hand Spike	70/-
" 8	...	Small ditto	56/-
" 9	...	Large Marline	44/-
" 10	...	Small ditto	40/-
" 11	...	Double Bolt Rope	38/-
" 12	...	Large ditto ditto	33/-
" 13	...	Small ditto ditto	27/-
" 14	...	Store	21/-
" 15	...	Oldwork	19/-
" 16	...	Tablin	16/-
" 17	...	Flatseam	12/-
IMPROVED SAIL NEEDLES.			
No. 7	...	Large Hand Spike	52/-
" 8	...	Small ditto ditto	42/-
" 9	...	Large Marline	33/-
" 10	...	Small ditto	28/-
" 11	...	Double Bolt Rope	24/-
" 12	...	Large ditto ditto	20/-
" 13	...	Small ditto ditto	18/-
" 14	...	Store	13/-
" 15	...	Oldwork	12/-
" 16	...	Tablin	10/-
" 17	...	Flatseam	9/-

FISH HOOKS.

BEST STEEL SEA FISH HOOKS.

KIRBY OR ROUND BENT, BLUED.

No.	1	2	3	4	5	6	7	8	9	10	11	12
	60/-	50/-	40/-	30/-	20/-	16/-	10/-	8/-	6/-	5/-	4/-	3/- p. 1000.

Discount,

Second Quality as above same price.

Discount,

BEST CAST STEEL SEA HOOKS.

KIRBY ROUND, BENT OR HARWICH, TINNED.

No.	1	2	3	4	5	6	7	8	9	10	11	12
	3/5	3/-	25/-	18/-	12/-	10/-	7/-	5/6	3/9	3/-	2/6	2/- p. 1000.

Nett,

LIMERICK RIVER AND TROUT HOOKS, FLATTED.

	10/0	9/0	8/0	7/0	6/0	5/0	4/0	3/0	2/0	1/0	1 to 12
	13/6	11/-	8/6	7/-	6/-	5/6	4/9	3/3	2/8	2/2	1/10 p. 1000.

RINGED.

	15/-	12/-	9/6	8/-	6/6	6/-	5/6	4/-	3/6	2/6	2/- p. 1000.
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KIRBY RIVER AND TROUT HOOKS, FLATTED.

	12/-	9/6	6/6	5/-	4/6	4/-	3/3	2/9	2/6	2/2	1/9 p. 1000.
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Every Description of Fish Hooks Manufactured.

Hooks to Gut, 3 - and 4/- per gross; Limerick, 5/- Hair Lines, -/10 per score yards.

Box Swivels, 9/- per gross.

Trolling Lines. Patent Silk Lines. Cork Floats.

STEEL PENS.

THE FOLLOWING ARE MESSRS. JOSEPH GILLOTT & SONS' NUMBERS.

Cheaper sorts can be had if desired.

NAME AND DESCRIPTION.		Number.	Per Gross, carded on 12 Cards.	Per Gross, boxed in one Box.	Per Gross, boxed in two Boxes.	Per Gross, boxed in four Boxes.	Per Gross, boxed in 12 Boxes.
			s. d.	s. d.	s. d.	s. d.	s. d.
Principality	Extra fine points	1	...	3 0	3 3	3 6	...
	Fine points	2	...	3 0	3 3	3 6	...
	Median points	3	...	3 0	3 3	3 6	...
	Broad points	4	...	3 0	3 3	3 6	...
Edinburgh Pen	Fine points	5	...	1 8	1 11	2 2	...
	Medium points	6	...	1 8	1 11	2 2	...
	Broad points	7	...	1 8	1 11	2 2	...
Caligraphic, "Tid" points (tid is between fine & medium)		8	...	2 0	2 3	2 6	...
Washington Pen, fine points		9	...	3 0	3 3	3 6	...
Canadian Pen, fine points		9	...	3 0	3 3	3 6	...
Gothic Pen, bright, fine points		100	...	6 0	...	...	...
Ditto, gilt, fine points		100	...	8 0	...	...	...
Patent Self-Slips, fine, medium, and broad points		163	...	4 0	4 3	4 6	8 0
Damascus Slips, fine and medium points		164	...	3 0	3 3	3 6	6 0
Peruvian, fine, medium and broad points		166	...	2 0	2 3	2 6	5 0
Ditto, with turned-up points		166	...	2 8	...	...	...
New York Fountain, fine, medium, and broad points		168	...	2 0	2 3	2 6	5 0
Spade lunar, fine points		169	...	2 0	2 3	2 6	5 0
Ladies' Pen, extra fine points		170	5 0	2 0	2 3	2 6	...
Lunar, fine points		171	...	2 0	2 3	2 6	5 0
Metallic, fine points		172	...	2 0	2 3	2 6	5 0
Patent Bronzed Slips, fine and medium points		173	...	4 0	4 3	4 6	8 0
Patent Ladies' Pen, extra fine points		179	...	4 0	1 3	1 6	...
The St. George Pen, 4-hole spear, fine points		202	...	1 6	...	...	...
Patent Magnum Bonum, ex. f., f., med., & brd. pnts.		225	16 0	12 0	12 6	13 0	14 0
(In One Dozen Boxes, 203).							

STEEL PENS (continued).

NAME AND DESCRIPTION.	Number.	Per Gross, carded on 12 Cards.		Per Gross, boxed in one Box.		Per Gross, boxed in two boxes.		Per Gross, boxed in four boxes.		Per Gross, boxed in 12 Boxes.	
		s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
Double Damascus, fine, medium, and broad points ...	226	...	...	8	0	9	0	9	6	10	0
(In One Dozen Boxes, 227).											
Double Damascus, 12 boxes, fine, med., & brd. pnts.	227	...	...	...	...	...	...	...	...	10	0
Self and Bronzed Patent Slips, 12 morocco cases	230	...	...	...	...	...	...	...	...	8	0
Damascus Slips, 12 morocco cases	234	...	...	...	...	...	...	...	...	6	0
Eagles, fine, medium, and broad points	232	8	0	5	0	5	3	5	6	6	0
(In One Dozen Boxes, 239).											
Pat. Mag. Bonum, 12 boxes, ex. f., f., m. & brd. pnts.	263	...	...	...	...	...	...	...	...	14	0
Ordinance Pen, fine, medium, and broad points	287	...	...	3	0	3	3	3	6	...	...
Transcribing Pen, fine, medium, and broad points	288	...	...	12	0	...	...	...	...	14	0
Eagles, 12 boxes, fine, medium, and broad points	289	...	...	...	...	...	...	...	...	6	0
Lithographic Pen, for writing on stone	290	16	0	12	0	12	6	13	0	...	...
Mapping, Drawing, and Engineering Pen	291	16	0	12	0	12	6	13	0	...	...
Public Pen { Fine points	292	...	...	1	4	1	7	1	10	...	...
Medium points	293	...	...	1	4	1	7	1	10	...	...
Broad points	294	...	...	1	4	1	7	1	10	...	...
Victoria, extra fine points	303	6	0	3	0	3	3	3	6	...	...
Prince Albert's Own, medium points	330	...	...	4	0	4	3	4	6	...	...
Queen's Own, fine points	331	...	...	4	0	4	3	4	6	...	...
Baronial, fine and medium points	332	...	...	4	0	4	3	4	6	...	...
Prince Albert's Own, fine points	335	...	...	4	0	4	3	4	6	...	...
School Pens { Fine points	351	...	...	1	8	1	11	2	2	3	0
Medium points	352	...	...	1	8	1	11	2	2	3	0
Broad points	353	...	...	1	8	1	11	2	2	3	0
The Emperor's Own Pen, fine points	368	...	...	4	0	4	3	4	6	...	...
Donna Januaria's Own Pen, fine points	369	...	...	4	0	4	3	4	6	...	...
Paragon, fine points	381	...	...	...	...	...	...	...	...	3	0
Public Spear Pen, fine and medium points	382	...	...	1	4	1	7	1	10	...	...
Record Pen, fine and medium points	387	...	...	5	0	5	3	5	6	6	6
Engrossing Pen, oblique broad points	389	...	...	1	6	1	9	2	0	...	...
Bullion Pen, oblique broad points	389	...	...	4	4	4	7	4	10	7	4
Public Silver-Steel Pen, fine points	390	...	...	1	4	1	7	1	10	...	...
American Barrel Pen, fine points	392	...	...	3	6	...	...	...	...	...	...
Public Pen, with bead, fine and medium points	404	...	...	1	4	1	7	1	10	...	...
Best Small Barrel, fine points	405	...	...	3	6	...	...	...	...	...	...
Bronzed Ladies' Spear, fine points	414	...	...	1	4	1	7	1	10	...	...
Purple Fancy Spear, fine points	417	...	...	1	4	1	7	1	10	...	...
Silvered, warranted, fine points	418	...	...	5	0	5	3	5	6	...	...
Music Pen, broad points	420	...	...	1	6	1	9	2	0	...	...
Czarina's Own, fine points	421	...	...	1	0	4	3	4	6	...	...
Czar's Own, medium points	422	...	...	4	0	4	3	4	6	...	...
Ditto broad points	423	...	...	4	0	4	3	4	6	...	...
Self-triangle, Accountant's, fine points	425	...	...	1	6	1	9	2	0	...	...
National School Society's, fine points	427	...	...	1	4	1	7	1	10	...	...
Crow Quill, slip, extra fine points	431	...	...	1	0	4	3	4	6	...	...
National School Society's, broad points	433	...	...	1	4	1	7	1	10	...	...
Bronzed Indented Spear, fine points	434	...	...	1	6	1	9	2	0	...	...
Bullion Pen, fine points	436	8	0	5	0	5	3	5	6	...	...
National School Society's, medium points	602	...	...	1	4	1	7	1	10	...	...
Blue Three-slit Barrel, fine points	603	...	...	2	8	...	...	...	...	...	...
Double Elastic, ex. fine, fine, and medium points	604	...	...	2	0	...	...	...	...	...	...
Bullion Shoulder Pen, fine, medium, and broad points	616	...	...	4	4	4	7	4	10	6	0
Gilt Public Spear Pen, fine and medium points	624	...	...	4	8	4	11	5	2	...	...
Lithographic Crow Quill, drawing fine points	659	16	0	12	0	12	6	13	0	...	...
Superior Magnum Bonum, fine points	800	...	...	...	...	...	...	...	...	7	0
Goose Quill, fine and medium points	805	...	...	...	...	...	...	...	...	10	0
Black Swan Quill Pen, fine and medium points	808	2	0	...	...	...	...	...	...	20	0
The Rectilinear Pen, ex. fine, fine and medium points	809	...	...	3	0	...	...	...	...	...	...
Gilt ditto, extra fine points	809	...	...	6	8	...	...	...	...	...	...
New Bank Pen, fine points	810	...	...	5	0	...	...	...	...	6	0
Silent Writer, fine points	811	...	...	2	8	...	...	...	...	...	...
Gilt ditto, extra fine points	811	...	...	6	6	...	...	...	...	...	...
Counting House Pen, fine points	812	...	...	...	...	...	...	...	...	10	0
Ext. Hard Manifold Writing Pen, fine and med. pnts.	813	...	...	...	...	...	...	...	...	18	8
New Orleans Pen, fine points	815	...	...	4	0	...	...	...	...	...	...
Electric Pen, fine points	816	...	...	5	0	...	...	...	...	7	0
Royal Gutta Percha Pen, fine points	835	...	...	...	...	...	...	...	...	16	0
Long Shoulder Crow Quill, drawing fine points	837	20	0	16	0	16	6	17	0	...	...
Autograph Pen, fine points	840	...	...	5	0	...	...	...	...	6	0
Short Shoulder Engrossing, broad points	849	...	...	1	6	1	9	2	0	...	...
Long Shoulder Crow Quill, drawing superfine points	850	20	0	16	0	16	6	17	0	...	...
Bronzed Falcon Pen, fine points	878	...	...	2	0	2	3	2	6	...	...
Bronzed Shoulder Pen, fine and medium points	909	...	...	2	0	2	3	2	6	...	...

Sheet Glass is made of six different thicknesses, three of which are in general demand, viz. :	}	16 oz. averaging	16 oz. to the foot, and	1-13th of an inch thick.
		21 oz. "	21 oz. "	1-10th "
		26 oz. "	26 oz. "	1-8th "

IN SQUARES.					16 oz.			21 0			26 0.		
Containing in length and width added together, in proportionate sizes—					Best.	Seconds	Thirds.	Best	Seconds	Thirds	Best	Seconds	Thirds
					£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.
14 to 18	united inches	...			1 11	1 6	1 5	2 0	1 15	1 12	2 10	2 5	2 0
19	25	"	"	...	1 12	1 8	1 5	2 3	1 18	1 14	2 17	2 10	2 5
26	30	"	"	...	1 14	1 10	1 6	2 5	2 0	1 15	3 0	2 11	2 9
31	35	"	"	...	1 16	1 12	1 7	2 8	2 3	1 18	3 5	2 17	2 12
36	40	"	"	...	1 18	1 13	1 8	2 15	2 8	2 0	3 10	3 0	2 14
41	50	"	"	...	2 5	1 19	1 10	3 6	2 15	2 5	4 5	3 10	2 18
51	60	"	"	...	2 16	2 6	1 13	4 0	3 5	2 9	5 0	4 5	3 5
61	70	"	"	...	3 5	2 15	1 16	4 10	3 15	2 14	6 0	5 0	3 11
71	80	"	"	...	3 10	3 0	2 1	5 0	4 5	3 0	6 15	5 15	3 15
81	85	"	"	...	4 10	3 5	2 5	5 13	4 15	3 8	7 10	6 5	4 5
86	90	"	"	6 5	5 5	4 0	8 5	7 0	5 5
91	95	"	"	7 0	6 0	4 15	9 5	8 5	6 10
96	100	"	"	8 0	7 0	5 10	11 0	9 5	7 5
101	105	"	"	9 0	7 15	6 10	12 0	10 5	8 5
106	110	"	"	10 0	8 10	7 10	13 0	11 0	9 5
111	115	"	"	10 10	9 10	8 10	14 0	12 0	10 5
116	120	"	"	11 0	10 0	9 0	15 10	13 0	11 0
121	125	"	"	12 0	11 0	10 0	16 10	14 0	12 0
126	130	"	"	13 0	12 0	11 0	17 10	15 0	13 0

32 oz., averaging 32 oz. to the foot, and 2-13ths of an inch thick	} But as the demand for these substances is for special purposes, Prices depend on the sizes, qualities, and thicknesses required
36 oz., " 36 oz. " 1-6th " "	
42 oz., " 42 oz. " 1-5th " "	

In Cases of Stock sizes, of about 200 feet each, in Sheets out of Stock, from
 10 to 50 in. long and from 32 to 36 inches wide, is charged, for 16 oz. at 42s. per 100 feet.
 " " " " " for 21 oz. at 53s. " "
 " " " " " for 26 oz. at 68s. " "

Of 16 oz. and 21 oz., is supplied in *Sheets* of the sizes as made, not exceeding 43 inches long at 50s. per 100 for 16 oz. and 60s. per 100 for 21 oz.
Squares of cut sizes to order at special rates, according to sizes and quantities required.

The prices quoted in this Tariff are intended to apply *only* to orders for assorted sizes and qualities of usual proportions, and not exceeding for 16 oz.—50 inches long, or 34 inches wide; and for 21 oz. and 26 oz.—85 inches long, or 45 inches wide.

- 1.—For large quantities of one or a few sizes.
- 2.—For panes cut to patterns, or to fractional parts of an inch.
- 3.—For long and narrow panes, of which the width is less than half the length. In all such cases the united inches for pricing will be estimated at $1\frac{1}{2}$ times the length; e.g., a pane 42 by 16, measuring 58 united inches, would be priced as if it measured 42 by 21, or 63 united inches.
- 4.—For small sizes, which can only be supplied at the above prices out of stock, or as they turn up in cutting.
- 5.—For orders for Best or Seconds, or for Best and Seconds qualities together, without a suitable proportion of Thirds of the same sizes to cut with them.

BRITISH SHEET (continued).

PACKING—The order should state whether 50 feet, 100 feet, or 200 feet Boxes are required or Envelopes are to be used; and *all* other instructions respecting Packing should also be given with the order, such as when the boxes are to be extra strong, iron hooped, &c.

Packages of usual kind only are included in the prices, when the glass is packed 100 or 200 ft. boxes. If 50 feet Boxes are ordered, an extra charge of 1s. 8d. per 100 feet net is made for sizes up to 50 united inches.

We do not recommend 50 feet Boxes for sizes larger than 20 inches wide, or 30 inches long.

Envelopes enclosing two 100 feet Boxes are charged from 4s. to 6s. each, net.

Sizes from 30 inches wide by 40 inches long and upwards make better packages for safety in transit if put in 200 feet Boxes.

Packages containing *Bent Glass* are charged in all cases.

FOREIGN SHEET.

Cases of 300 feet, three quality, 14 oz. ...

£1 16 0

" " fourth quality 14 oz. ...

1 9 0

Export Cases of 100 feet square.—

	1	2	3	4th quality.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0/25 inches	0 18 10	0 18 10	0 13 11	0 12 5
26/40 "	1 1 1	0 18 0	0 15 0	0 12 10
41/50 "	1 6 4	1 1 10	0 16 6	0 13 6
51/60 "	1 13 10	1 7 0	0 18 0	0 14 7
61/74 "	1 19 1	1 11 7	0 19 6	0 15 0
75/79 "	2 1 4	1 14 7	1 1 1	0 16 6
80/85 "	2 5 1	1 17 7	1 7 7	0 18 10

Discount

per cent.

Free on board Antwerp.

Not responsible for breakage.

PATENT PLATE GLASS.

This Glass is supplied of two colours THE USUAL (*i. e.* Crystal), and the EXTRA WHITE, which is almost colourless. For glazing purposes, the Usual is preferable, as being harder, more lustrous, and less liable to be scratched in cleaning. In these respects, Patent plate of this kind is as superior to thick Polished Plate as it is to that of the Extra White colour; but for Engravings, Water-Colour Drawings, Miniatures, &c., Extra White Patent Plate is, so far at least as colour is concerned, unrivalled. It is only manufactured of Nos. 1 and 2 Thicknesses.

Explanation of Thicknesses,
Nos. 1, 2, 3, and 4.

Average Thickness.	Average Weight.
No. 1, $\frac{1}{16}$ in.	13oz.
No. 2, $\frac{1}{12}$ in.	17oz.
No. 3, $\frac{1}{10}$ in.	21oz.
No. 4, $\frac{1}{8}$ in.	24oz.

SQUARES.

Not exceeding
in area

Above 7 by 5	8 by 6
7 by 5	8 by 6
8 by 6	10 by 8
10 by 8	12 by 9
12 by 9	1 foot

1 foot	2 feet
2 feet	3 "
3 "	4 "
4 "	5 "
5 "	6 "

6 "	7 "
7 "	8 "
8 "	10 "
10 "	12 "
12 "	13 "

Sheet Sizes
Sheets, not exceeding 50in.
in length or 36in. in width,
and containing in area from

4 to 6½ft. super. ...
6½ to 8½ "
8½ to 10 "
10 to 12 "

USUAL COLOUR.

BEST QUALITY. B.				SECOND QUALITY. C.				THIRD QUALITY. C. C.			
No. 1	No. 2	No. 3	No. 4	No. 1	No. 2	No. 3	No. 4	No. 1	No. 2	No. 3	No. 4
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
2 3	2 5	2 3	2 3	2 1	2 1	2 1	2 1	1 9	1 9	1 9	1 10
2 4	2 4	2 4	2 4	2 2	2 2	2 2	2 2	1 10	1 10	1 10	1 11
2 6	2 6	2 6	2 6	2 3	2 3	2 3	2 3	2 0	2 0	2 0	2 0
2 9	2 9	2 9	2 9	2 5	2 5	2 5	2 5	2 2	2 2	2 2	2 2
3 0	3 0	3 0	3 1	2 9	2 9	2 9	2 9	2 3	2 3	2 3	2 4
3 6	3 6	3 6	3 8	3 0	3 1	3 1	3 2	2 7	2 8	2 8	2 9
3 9	3 10	3 11	4 1	3 3	3 4	3 5	3 7	2 10	2 11	3 0	3 2
4 10	3 11	4 0	4 2	3 6	3 6	3 7	3 8	3 0	3 1	3 2	3 3
4 0	4 0	4 3	4 5	3 7	3 8	3 9	3 11	3 2	3 3	3 4	3 6
4 3	4 4	4 6	4 5	3 10	3 11	3 11	4 2	3 4	3 5	3 6	3 9
4 5	4 6	4 8	4 10	4 0	4 0	4 1	4 4	3 6	3 7	3 8	3 11
4 7	4 9	4 10	5 0	4 2	4 3	4 3	4 5	3 8	3 9	3 10	4 0
4 9	4 11	5 0	5 2	4 4	4 5	4 5	4 7	3 10	3 11	4 0	4 2
5 0	5 1	5 2	5 4	4 8	4 8	4 8	4 10	4 2	4 2	4 2	4 4
5 3	5 3	5 4	5 6	4 9	4 10	4 10	5 0	4 3	4 3	4 4	4 6
B.				C.				C. C.			
3 9	3 10	3 11	4 0	3 0	3 1	3 1	3 2	2 7	2 8	2 8	2 9
4 0	4 1	4 2	4 3	3 3	3 4	3 5	3 6	2 9	2 10	3 0	3 1
4 3	4 4	4 5	4 6	3 6	3 6	3 7	3 8	3 0	3 1	3 2	3 3
4 7	4 9	4 10	5 0	3 10	3 11	3 11	4 0	3 2	3 3	3 5	3 6

Per foot superficial.

EXTRA WHITE PATENT PLATE.

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The thicknesses are the same as those of Patent Plate of the "Usual Colour."				USUAL COLOUR.					
				BEST QUALITY. B.		SECOND QUALITY C.		THIRD QUALITY C.C.	
				No. 1	No. 2	No. 1	No. 2	No. 1	No. 2
SQUARES.				s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Sizes, not exceeding in area									
Above 7 by 7	7 by 5	8 by 6	10 by 8	2 9	3 0	2 7	2 9	2 0	2 0
" 8 by 6	10 by 8	12 by 9	14 by 10	2 10	3 1	2 8	2 10	2 1	2 1
" 10 by 8	12 by 9	14 by 10	16 by 12	3 0	3 3	2 9	3 0	2 2	2 2
" 12 by 9	14 by 10	16 by 12	18 by 14	3 4	3 8	3 0	3 4	2 3	2 3
" 14 by 10	16 by 12	18 by 14	20 by 16	3 8	4 0	3 3	3 7	2 4	2 5
And not exceeding in length 48 in. or in width 34 in.									
" 1 foot	2 feet	3 feet	4 feet	4 1	4 4	3 7	3 11	2 7	2 8
" 2 feet	3 feet	4 feet	5 feet	4 5	4 8	3 10	4 2	2 10	2 11
" 3 feet	4 feet	5 feet	6 feet	4 6	4 10	4 0	4 4	3 0	3 1
" 4 feet	5 feet	6 feet	7 feet	4 8	5 0	4 2	4 6	3 2	3 3
" 5 feet	6 feet	7 feet	8 feet	4 11	5 3	4 5	4 9	3 4	3 6
" 6 feet	7 feet	8 feet	9 feet	5 1	5 6	4 7	4 11	3 6	3 9
" 7 feet	8 feet	9 feet	10 feet	5 3	5 9	4 9	5 3	3 8	3 11
" 8 feet	9 feet	10 feet	11 feet	5 6	6 0	4 11	5 5	3 10	4 1
" 10 feet	11 feet	12 feet	13 feet	5 9	6 3	5 3	5 9	4 2	4 3
STOCK SIZES.									
Sheets, not exceeding in length 48 in., or in width 34 in., and containing in area from									
2 to 4 feet superficial...				3 8	4 0	3 3	3 7	2 4	2 5
4 to 6 feet "				4 1	4 4	3 7	3 11	2 7	2 8
6 to 8 feet "				4 5	4 8	3 10	4 2	2 10	2 11
8 to 10 feet "				4 8	5 0	4 0	4 4	3 0	3 1
10 to 12 feet "				5 0	5 5	4 5	4 9	3 4	3 6

Per foot superficial.

LARGE SIZES, exceeding 50 inches in length, or 36 in. in width, of the USUAL COLOUR, will be charged extra, according to size.

EXTRA WHITE PATENT PLATE is not supplied of greater length than 48 inches, or of greater width than 34 inches.

Orders for SMALL SQUARES under 1 foot can only be executed at the above prices, out of stock, or as they come up in cutting.

GRINDING EDGES, 4½d. per lineal foot gross.

Fractional parts of inches are charged as follows—¼ in. and under, ¼; ⅕ to ⅙ in., as ⅙; ⅙ to ⅓ in., as ⅓; ⅓ to 1 in., as 1.

PATENT DIAMOND AND QUARRY ROLLED ROUGH PLATE.

The principal uses of these kinds of Rolled Plate are for Lecture Rooms, Government Offices, Banks, Asylums, Churches, Chapels, School Rooms, &c.				DIAMOND.			QUARRY.					
							Small Pattern.			Large Pattern.		
				⅜	⅝	¾	⅜	⅝	¾	⅜	⅝	¾
STOCK SIZES, or Sheets as manufactured, for cutting up.				s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Assorted sizes—from 20 to 32 in. wide, and up to 70 in. long				0 9	0 11	1 2	0 10	1 0	1 1	1 0	1 3	1 6
Ditto ditto, 70 to 85 in. long				0 9½	1 0	1 3	1 1	1 1	1 6	1 2	1 6	1 9
SQUARES, cut to the sizes ordered.												
Under 8 by 6				0 8	0 9	0 10	0 9	0 11	1 1	0 9	1 0	1 3
8 by 6 and under 10 by 8				0 8½	0 10	0 11½	0 10	1 0	1 4	1 0	1 3	1 6
10 by 8 " 14 by 10				0 9	0 11	1 1	0 11	1 2	1 5	1 1	1 4	1 7
14 by 10 " 1½ ft. super., if length does not exceed 20 in.				0 9½	0 11½	1 3	1 0	1 3	1 6	1 2	1 5	1 8
Feet super. Inches long.												
12 and under 3	20	not above 30	...	0 10	1 0	1 4	1 1	1 4	1 7	1 3	1 6	1 9
3 and under 4	20	not above 30	...	0 11	1 1	1 5	1 2	1 5	1 8	1 4	1 7	1 10
4 and under 5	20	not above 30	...	0 11	1 2	1 6	1 3	1 6	1 9	1 5	1 8	1 11
5 and under 6	20	not above 30	...	0 11½	1 2	1 6	1 3	1 7	1 10	1 6	1 9	2 0
6 and under 8	20	not above 30	...	1 0	1 3	1 7	1 5	1 8	1 11	1 7	1 10	2 1
8 " 10 " 30 " 35	30	not above 40	...	1 0	1 3	1 7	1 5	1 8	1 11	1 8	1 10	2 1
10 " 12 " 35 " 40	35	not above 45	...	1 1	1 4	1 8	1 7	1 9	2 0	1 9	1 11	2 2
12 " 14 " 40 " 45	40	not above 50	...	1 2	1 5	1 9	1 8	1 10	2 2	1 10	2 0	2 3
14 " 16 " 45 " 50	45	not above 55	...	1 3	1 6	1 10	1 9	1 11	2 2	1 11	2 1	2 4
16 " 18 " 50 " 55	50	not above 60	...	1 4	1 7	2 0	1 10	2 0	2 4	2 0	2 2	2 5

Per foot superficial.

All fractional parts exceeding ½ of an inch will be charged as a full inch.

DIAMOND ROUGH PLATE has a bright and brilliant appearance. The pattern is of a lozenge shape, and in relief upon the body of the glass.

* PATENT QUARRY ROLLED PLATE is used as a substitute for leaded quarries. For buildings of an ecclesiastical character, the Large Pattern, which is of the size of the ordinary Quarry Ten, is preferable; but for other purposes, and windows of small dimensions, the Small Pattern, which is about one fourth only of the size of the other, is recommended. Iron Saddle Bars, for forming the joints, 3d. per running foot net.

Not accountable for Breakage.

* To prevent mistakes, it is absolutely necessary that a Sketch, showing the relative position of the panes, accompany each order.

TINNED CAST-IRON HOLLOWARE.

SAUCEPANS,

WITH ROUND HANDLES, UPRIGHT OR BELLIED.

No.	Tinned with jap'd Covers.	Tinned open.	Turned smooth inside, open.	Black or un- tinned open.	With Bright flat handles.	Tinned with lips, open.	Planish'd Tin Covers.	Jap'd. Covers only.	Potato Steamers, to fit Saucepans.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
60 ...	0 11	0 7	0 6	0 5	0 9	0 8	0 5	0 4	ea.
0 ... ½ pint	1 0	0 8	0 7	0 6	0 10	0 9	0 6	0 4	"
1 ... 1 pint	1 2	0 10	0 8	0 7	1 0	0 11	0 6	0 4	"
2 ... 1½ pint	1 4	1 0	0 10	0 9	1 3	1 1	0 6	0 4	"
2x ... 1½ pint	1 6	1 1	0 11	0 10	1 5	1 2	0 7	0 5	"
3 ... 2 pints	1 7	1 2	1 0	0 10	1 6	1 3	0 7	0 5	"
3x ... 2 pints	1 9	1 4	1 2	0 11	1 8	1 5	0 7	0 5	"
4 ... 3 pints	1 11	1 6	1 3	1 0	1 10	1 7	0 8	0 5	"
4x ... 3 pints	2 1	1 8	1 4	1 2	2 0	1 9	0 9	0 5	"
5 ... 4 pints	2 2	1 9	1 6	1 3	2 2	1 10	0 10	0 5	2 4
5A ... 4 pints	2 3	1 10	1 7	1 5	2 4	1 11	0 10	0 5	2 4
5x ... 4 pints	2 4	1 11	1 8	1 6	2 5	2 0	0 10	0 5	2 4
6 ... 6 pints	2 8	2 2	1 10	1 8	2 7	2 4	0 11	0 6	2 5
6x ... 6 pints	2 11	2 5	2 0	1 10	2 10	2 7	1 0	0 6	2 6
7 ... 1 quart	3 1	2 7	2 3	2 0	3 0	2 9	1 1	0 6	2 8
7x ... 1 quart	3 4	2 10	2 6	2 3	3 3	3 0	1 1	0 6	2 10
8 ... 1 quart	3 6	3 0	2 9	2 4	3 6	3 2	1 2	0 6	2 11
8x ... 6 quarts	3 10	3 3	2 11	2 7	3 9	3 5	1 3	0 7	3 0
9 ... 6 quarts	4 1	3 6	3 0	2 9	4 0	3 8	1 3	0 7	3 1
10 ... 7 quarts	4 4	3 9	3 4	3 0	4 6	3 11	1 4	0 7	3 6
11 ... 8 quarts	4 7	4 0	3 8	3 3	5 0	4 5	1 5	0 7	3 10
11x ... 9 quarts	4 10	4 3	3 11	3 6	5 3	4 6	1 6	0 7	4 1
12 ... 10 quarts	5 1	4 6	4 2	3 9	5 6	4 10	1 7	0 7	4 5
13 ... 12 quarts	5 8	5 0						0 8	"
14 ... 14 quarts	6 3	5 6						0 9	"

Covers with Lips, 1d. each.

The Bright Flat Handles can be taken off for packing if required.

LARGE SIZE SAUCEPANS,

WITH TINNED IRON FRONT HANDLES, AS WELL AS ROUND HANDLES.

No.		Tinned with Japan'd Cover.	Tinned open.	Turned smooth inside open.	Black or untin- ned open.
		s. d.	s. d.	s. d.	s. d.
5	2 quarts	2 8	2 3	2 0	1 9 each.
6	3 quarts	3 2	2 8	2 6	2 2 "
6x	3 quarts	3 6	3 0	2 8	2 6 "
7	4 quarts	3 10	3 4	3 0	2 9 "
7x	4½ quarts	4 1	3 7	3 3	2 11 "
8	5 quarts	4 3	3 9	3 6	3 1 "
9	6 quarts	4 10	4 3	4 0	3 6 "
10	7 quarts	5 3	4 8	4 3	3 11 "
11	2 gallons	5 6	4 11	4 6	4 2 "
11x	2½ gallons	5 9	5 2	4 9	4 3 "
12	2½ gallons	6 0	5 5	5 0	4 5 "
12x	2½ gallons	6 3	5 7	5 3	4 7 "
13	3 gallons	6 6	5 10	5 6	4 10 "
14	3½ gallons	7 0	6 3	5 9	5 3 "
15	4 gallons	7 6	6 8	6 3	5 8 "
15x	4½ gallons	8 3	7 4	6 9	6 4 "
16	5 gallons	9 0	8 0	7 3	6 6 "
17	6 gallons	10 6	9 6	8 9	8 0 "
18	7 gallons	11 6	10 0	9 0	9 6 "
19	8 gallons	12 6	11 0	9 6	10 0 "

TINNED CAST IRON HOLLOWARE (continued).

ROUND POTS,

UPRIGHT OR BELLIED, WITH BAIL, BOW, OR ELLIPTIC HANDLES.

No.			Tinned, with Japanned Cover.		Tinned Open.		Turned Smooth Inside, Open.		Black or Untinned, Open.		Japanned Covers.	
			s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
0	...	$\frac{1}{2}$ pints	...	1 1	...	0 9	...	0 8	...	0 7	...	0 4 each.
1	...	1 pint	...	1 3	...	0 11	...	0 10	...	0 9	...	0 4 "
2	...	$1\frac{1}{2}$ pint	...	1 5	...	1 1	...	1 0	...	0 11	...	0 4 "
3	...	2 pints	...	1 8	...	1 3	...	1 1	...	1 0	...	0 5 "
3x	...	$2\frac{1}{2}$ pints	...	1 10	...	1 5	...	1 3	...	1 1	...	0 5 "
4	...	3 pints	...	2 0	...	1 6	...	1 4	...	1 2	...	0 6 "
4x	...	$3\frac{1}{2}$ pints	...	2 2	...	1 8	...	1 5	...	1 3	...	0 6 "
5	...	2 quarts	...	2 3	...	1 9	...	1 6	...	1 4	...	0 6 "
5x	...	$2\frac{1}{2}$ quarts	...	2 6	...	2 0	...	1 8	...	1 5	...	0 6 "
6	...	3 quarts	...	2 8	...	2 1	...	1 10	...	1 7	...	0 7 "
6x	...	$3\frac{1}{2}$ quarts	...	2 10	...	2 3	...	2 0	...	1 9	...	0 7 "
7	...	4 quarts	...	3 0	...	2 4	...	2 2	...	1 10	...	0 8 "
7x	...	$4\frac{1}{2}$ quarts	...	3 4	...	2 8	...	2 4	...	2 1	...	0 8 "
8	...	5 quarts	...	3 6	...	2 10	...	2 7	...	2 4	...	0 8 "
9	...	6 quarts	...	4 0	...	3 3	...	3 0	...	2 9	...	0 9 "
10	...	7 quarts	...	4 6	...	3 9	...	3 4	...	3 0	...	0 9 "
11	...	2 gallons	...	4 9	...	3 11	...	3 6	...	3 2	...	0 10 "
11x	...	$2\frac{1}{2}$ gallons	...	5 3	...	4 5	...	4 0	...	3 8	...	0 10 "
12	...	$2\frac{3}{4}$ gallons	...	5 9	...	4 10	...	4 3	...	3 10	...	0 11 "
12x	...	$2\frac{3}{4}$ gallons	...	6 0	...	5 0	...	4 6	...	4 0	...	1 0 "
13	...	3 gallons	...	6 3	...	5 2	...	4 9	...	4 5	...	1 1 "
14	...	$3\frac{1}{2}$ gallons	...	6 10	...	5 6	...	5 0	...	4 8	...	1 4 "
15	...	4 gallons	...	7 6	...	6 0	...	5 6	...	5 0	...	1 6 "
15x	...	$4\frac{1}{2}$ gallons	...	8 3	...	6 6	...	6 0	...	5 3	...	1 9 "
16	...	5 gallons	...	9 0	...	7 0	...	6 6	...	5 6	...	2 0 "
16x	...	$5\frac{1}{2}$ gallons	...	9 9	...	7 6	...	7 0	...	6 0	...	2 3 "
17	...	6 gallons	...	10 6	...	8 0	...	7 6	...	6 6	...	2 6 "
18	...	7 gallons	...	11 6	...	8 9	...	8 3	...	7 3	...	2 9 "
19	...	8 gallons	...	12 6	...	9 6	...	9 0	...	8 0	...	3 0 "
19x	...	9 gallons	...	13 6	...	10 3	...	9 9	...	8 9	...	3 3 "
20	...	10 gallons	...	14 6	...	11 0	...	10 6	...	9 6	...	3 6 "
20x	...	11 gallons	...	16 6	...	12 9	...	11 6	...	10 3	...	3 9 "
21	...	12 gallons	...	18 0	...	14 0	...	12 6	...	10 6	...	4 0 "
21x	...	13 gallons	...	20 0	...	15 9	...	13 6	...	11 3	...	4 3 "
22	...	14 gallons	...	21 0	...	16 6	...	15 9	...	13 6	...	4 6 "
23	...	15 gallons	...	23 0	...	18 3	...	17 3	...	15 3	...	4 9 "
24	...	16 gallons	...	26 0	...	21 0	...	19 0	...	17 0	...	5 0 "
25	...	18 gallons	...	31 0	...	25 3	...	22 0	...	19 3	...	5 9 "
26	...	20 gallons	...	35 0	...	28 6	...	24 6	...	21 6	...	6 6 "
26x	...	22 gallons	...	39 0	...	31 9	...	27 6	...	24 0	...	7 3 "
27	...	24 gallons	...	43 0	...	35 4	...	31 0	...	27 0	...	7 8 "
28	...	26 gallons	...	48 0	...	40 0	...	35 0	...	30 0	...	8 0 "
29	...	28 gallons	...	52 0	...	43 3	...	39 0	...	34 0	...	8 9 "
30	...	30 gallons	...	56 0	...	46 0	...	41 0	...	36 0	...	10 0 "
31	...	32 gallons	...	64 0	...	52 6	...	47 6	...	42 6	...	11 6 "

Valves to fit in Cover under the handle, like digester valves, -/6 each extra.

OVAL POTS,

UPRIGHT OR BELLIED, WITH BAIL OR END HANDLES.

	No. 6o	5o	4o	3o	2o	2ox	0	0x	0xx	1	1x	2
	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4 galls.
Tinned	3/3	3/6	4/-	4/6	4/9	5/2	5/6	5/9	6/-	6/6	7/6	9/- each.
Untinned	2 6	2/3	3/-	3/3	3 6	3/10	4/-	4/6	5/-	5/6	6/6	7/9 each.
Jap'd Covers	-/9	-/9	-/9	1/-	1/-	1/3	1/3	1/3	1/3	1 6	1 6	1/9 each.

	No.	2x	2xx	3	3x	4	5	5x	6	7	8
		$4\frac{1}{4}$	5	$5\frac{1}{2}$	6	7	8	9	10	12	14 galls.
Tinned		9/9	10/6	11/3	12/-	13/-	15/-	16/6	18/-	20/-	23/- each.
Untinned		8/3	9/3	9/9	10/6	11/6	13/-	14/-	15/-	16/-	19/- each.
Jap'd Covers		1/9	2/-	2/-	2/3	2/3	2/6	2/6	2/6	3/-	3/- each.

TINNED CAST-IRON HOLLOWWARE (continued).

TEA KETTLES,

WITH SPOUTS CAST IN.

No.			Iron Handle.		Brass Handle.		Iron Drop Handle.		Brass Drop Handle.		Brass Barrel Handle.		Black or Untinned with Iron Handle.		Black or Untinned with Iron Drop Handle.		each.
			s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	
100	...	1 pint	1	10	2	9	2	1	3	1	2	10	1	0	1	1	each.
90	...	1 pint	1	11	2	10	2	2	3	2	2	11	1	1	1	2	"
80	...	1 pint	2	0	2	11	2	3	3	3	3	0	1	2	1	3	"
70	...	1 pint	2	1	3	0	2	4	3	4	3	1	1	3	1	4	"
60	...	1 pint	2	2	3	1	2	5	3	5	3	2	1	4	1	5	"
50	...	2 pints	2	3	3	2	2	6	3	6	3	3	1	5	1	6	"
40	...	2 pints	2	4	3	3	2	7	3	7	3	4	1	6	1	7	"
30	...	2 pints	2	6	3	6	2	9	3	9	3	9	1	8	1	10	"
20	...	2 pints	2	9	3	9	3	0	4	0	4	0	1	9	2	0	"
0	...	3 pints	3	0	4	0	3	3	4	3	4	3	2	0	2	3	"
1	...	4 pints	3	3	4	3	3	6	4	6	4	6	2	2	2	5	"
2	...	5 pints	3	9	4	9	4	0	5	0	5	0	2	9	3	0	"
2x	...	5 pints	4	2	5	0	4	5	5	6	5	6	3	0	3	3	"
3	...	6 pints	4	6	5	9	4	9	6	0	6	0	3	3	3	6	"
3x	...	7 pints	5	0	6	3	5	3	6	6	6	6	3	6	3	9	"
4	...	8 pints	5	6	6	10	5	9	7	1	7	1	3	9	4	0	"
4x	...	9 pints	6	0	7	4	6	3	7	7	7	7	4	3	4	6	"
5	...	5 quarts	6	6	7	10	6	9	8	2	8	1	4	9	5	0	"
5x	...	5 quarts	7	0	8	6	7	4	8	10	8	9	5	3	5	3	"
6	...	6 quarts	7	6	9	3	8	0	9	6	9	6	5	9	6	0	"
7	...	7 quarts	8	6	10	3	8	9	10	6	10	6	6	6	6	9	"
8	...	8 quarts	9	6	11	3	9	9	11	6	11	6	7	6	7	9	"
9	...	9 quarts	10	6	12	3	10	9	12	6	12	6	8	6	8	9	"
10	...	10 quarts	11	6	13	6	11	9	13	9	13	6	9	6	9	9	"
11	...	11 quarts	12	3	13	11	12	4	14	8	14	0	10	0	10	3	"
12	...	12 quarts	12	9	14	3	13	0	15	6	14	6	10	6	10	9	"

Oval Tea Kettles, 6d. each extra to the above, except those untinned, which are same prices as round.

Ship Tea Kettles, with sways to screw on, 6d. each extra.

TEA KITCHENS,

WITH PATENT COCKS SCREWED IN, AND WARRANTED NOT TO LEAK.

No.	40	30	20	0	1	1x	2	2x	3	4	5	6	7	8	9
	1	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
Tinned	9/6	10/3	11/-	12/-	13/3	14/-	14/9	15/3	16/3	18/9	21/-	23/0	26/-	28/-	33/-
Untinned	8/6	9/3	10/-	11/-	11/9	12/6	13/-	13/9	14/6	15/6	each.				

If with Lock Cocks, 1/- each extra. If with ditto and Lock Covers, 2/- each extra.

DEEP STEW PANS,

WITH COVERS.

No.			Tinned with Round Handles.		Untinned with Round Handles.		Tinned with Bright Flat Handles.		each.
			s.	d.	s.	d.	s.	d.	
40	...	1 pint	0	11	0	9	1	3	each.
30	...	1 pint	1	1	0	10	1	5	"
20	...	1 pint	1	2	1	0	1	6	"
0	...	2 pints	1	4	1	2	1	8	"
1	...	2 pints	1	6	1	2	1	10	"
2	...	3 pints	1	10	1	6	2	2	"
3	...	4 pints	2	3	1	11	2	6	"
4	...	5 pints	2	9	2	4	3	0	"
5	...	6 pints	3	3	2	10	3	6	"
6	...	7 pints	3	9	3	4	4	0	"
7	...	8 pints	4	0	3	7	4	6	"
8	...	10 pints	4	3	3	9	5	0	"
9	...	10½ pints	4	9	4	2	5	6	"
10	...	12 pints	5	6	4	10	6	3	"
11	...	13 pints	6	3	5	6	7	3	"
12	...	16 pints	7	3	6	6	8	0	"
13	...	19 pints	8	3	7	6	9	3	"
14	...	22 pints	9	3	8	6	10	0	"
15	...	23 pints	10	3	9	6	11	0	"
16	...	26 pints	11	3	10	6	12	0	"
17	...	pints	13	6	12	6	14	6	"
18	...	pints	16	0	—	—	17	0	"
19	...	pints	19	0	—	—	20	0	"
20	...	pints	24	0	—	—	25	0	"
21	...	11 pints	26	0	—	—	27	0	"
22	...	pints	28	0	—	—	29	0	"
24	...	pints	32	0	—	—	33	3	"

SHALLOW STEWPANS,

WITH COVERS.

No.			Round Handles.		Bright Flat Handles.		each.
			s.	d.	s.	d.	
0000	...		0	11	1	4	each.
000	...		1	1	1	5	"
00	...		1	2	1	6	"
0	...		1	4	1	8	"
1	...		1	6	1	9	"
2	...		1	9	1	11	"
3	...		2	0	2	3	"
4	...		2	3	2	6	"
5	...		2	9	3	0	"
6	...		3	0	3	6	"
7	...		3	3	3	9	"
8	...		3	6	4	3	"
9	...		4	0	4	6	"
10	...		4	3	5	0	"
11	...		4	9	5	6	"
12	...		5	6	6	0	"
13	...		6	3	7	0	"
14	...		7	3	8	0	"
15	...		8	0	9	0	"
16	...		9	0	10	0	"

With Front Handles.

* * * Stewpans with Bright Bow or Bright Elliptical Bow Handles, same price as Round Handles.

TINNED CAST IRON HOLLOWARE (continued).

OVAL STEWPANS,

WITH COVERS.

No.		Round Handles.		Bright Flat Handles.		Strainers	
		s.	d.	s.	d.	s.	d.
4/0	3½ pints ...	3	0	3	3	1	0 ea.
3/0	4 pints ...	3	3	3	6	1	0 "
00	4½ pints ...	3	6	3	9	1	0 "
0	5 pints ...	3	9	4	0	1	0 "
0x	3 quarts ...	4	0	4	3	1	0 "
1	4 quarts ..	4	3	4	6	1	2 "
2	5 quarts ...	5	0	5	6	1	2 "
3	6 quarts ...	6	0	6	6	1	6 "
4	2 galls. ...	7	3	7	9	1	6 "
5	2½ galls. ...	8	3	9	0	1	9 "
6	3½ galls. ...	9	9	10	9	1	9 "
7	3¾ galls. ...	11	6	—	—	1	9 "
8	4¾ galls. ...	14	0	—	—	1	9 "
9	5½ galls. ...	16	0	—	—	1	9 "
10		19	9				
11		22	6				
12		25	0				
13		27	6				
14		30	0				

Bow Handles, same price.

FRENCH STEWPANS.

No.		Blk. Hand. and Cov.		Brt. Flat. Hand & Cov.	
		s.	d.	s.	d.
5/0		1	0	1	8 each.
4/0		1	2	1	10 "
3/0		1	4	2	0 "
2/0		1	6	2	2 "
0		1	9	2	4 "
1	3 pints	2	0	2	6 "
2	4 pints	2	6	3	0 "
3	5 pints	3	0	3	6 "
4	6 pints	3	6	4	0 "
5	7 pints	4	0	4	6 "
6	9 pints	4	6	5	0 "
7	5 quarts	5	0	5	6 "
8	6 quarts	5	6	6	0 "
9	7 quarts	6	0	6	7 "
10	8 quarts	6	6	7	4 "
11	9 quarts	7	3	8	3 "
12	10 quarts	8	3	9	3 "
13	12 quarts	9	0	10	8 "
14	15 quarts	9	6	12	2 "
15	17 quarts	12	0	13	9 "

With Front Handles.

MASLIN KETTLES,

WITH BAILS.

No.		Tinned.		Turned.		Black or Untinned.	
		s.	d.	s.	d.	s.	d.
1	2½ pints	1	1	0	11	0	9 each.
2	3 pints	1	3	1	1	0	11 "
3	3½ pints	1	5	1	3	1	1 "
4	4½ pints	1	7	1	5	1	3 "
5	5½ pints	1	9	1	7	1	5 "
6	6 pints	1	11	1	9	1	7 "
7	7 pints	2	1	1	11	1	9 "
8	4 quarts	2	4	2	1	1	11 "
9	5 quarts	2	7	2	3	2	1 "
10	6 quarts	2	10	2	6	2	3 "
11	7 quarts	3	3	2	10	2	6 "
12	8 quarts	4	0	3	6	3	1 "
13	10 quarts	4	9	4	2	3	9 "
14	12 quarts	5	9	5	0	4	6 "
15	16 quarts	7	0	6	0	5	3 "
16	22 quarts	9	0	7	6	6	6 "
17		9	6	8	0	7	0 "
18		10	0	8	6	7	6 "
19		11	0	9	6	8	6 "
20		12	0	10	6	9	6 "

If with Saucepan Handles, 2 extra.

GLUE POTS.

No.		With Black Pans.		With Tinned Pans.		With Copper Pans.	
		s.	d.	s.	d.	s.	d.
8/0		0	9	0	10	1	7 each.
7/0		0	9	0	11	1	7 "
6/0		0	10	1	0	1	8 "
5/0		0	10	1	2	1	10 "
4/0		1	0	1	4	2	0 "
3/0		1	2	1	6	2	3 "
2/0		1	4	1	8	2	6 "
0		1	6	1	10	2	9 "
1		1	8	2	1	3	0 "
2		2	2	2	7	3	9 "
3		2	8	3	2	4	6 "
4		3	4	3	10	5	3 "
5		3	8	4	6	6	6 "
6		4	3	5	2	7	0 "
7		4	10	5	10	7	6 "
8		5	6	6	6	8	0 "
9		6	6	7	6	9	6 "
10		7	9	9	0	12	0 "

If the outsides have Saucepan handles, -/6 each extra.

ENAMELLED CAST-IRON HOLLOWWARE.

UPRIGHT SAUCEPANS.

No.			With block tin covers.		Open.		Block tin covers.		Jap'd covers.		each.
			s.	d.	s.	d.	s.	d.	s.	d.	
00	...	$\frac{1}{2}$ pint	0	11 $\frac{1}{2}$	0	8	0	3 $\frac{1}{2}$	0	3	
0	...	$\frac{3}{4}$ pint	1	1	0	9	0	4	0	3	
1	...	1 pint	1	3	0	11	0	4	0	3 $\frac{1}{2}$	
2	...	1 $\frac{1}{2}$ pint	1	6 $\frac{1}{2}$	1	2	0	4 $\frac{1}{2}$	0	4	
3	...	2 pints	1	9	1	4	0	5	0	4	
3x	...	2 $\frac{1}{2}$ pints	1	11	1	5 $\frac{1}{2}$	0	5 $\frac{1}{2}$	0	4 $\frac{1}{2}$	
4	...	3 pints	2	1	1	7	0	6	0	4 $\frac{1}{2}$	
4x	...	3 $\frac{1}{2}$ pints	2	3	1	8 $\frac{1}{2}$	0	6 $\frac{1}{2}$	0	5	
5	...	4 pints	2	5	1	10	0	7	0	5	
5x	...	5 pints	2	10	2	2	0	8	0	5	
6	...	6 pints	3	3	2	6	0	9	0	5 $\frac{1}{2}$	
6x	...	7 pints	3	7	2	9	0	10	0	5 $\frac{1}{2}$	
7	...	4 quarts	3	11	3	0	0	11	0	6	
7x	...	4 $\frac{1}{2}$ quarts	4	2	3	3	0	11	0	6	
8	...	5 quarts	4	5	3	5	1	0	0	6	
9	...	6 quarts	5	0	3	11	1	1	0	6 $\frac{1}{2}$	
10	...	7 quarts	5	5	4	2	1	3	0	6 $\frac{1}{2}$	
11	...	8 quarts	5	10 $\frac{1}{2}$	4	6	1	4 $\frac{1}{2}$	0	7 $\frac{1}{2}$	
12	...	10 quarts	6	7	5	0	1	7	0	8 $\frac{1}{2}$	

Bellied and upright.

If with bright flat handles, 3d. each ex. If with three short legs cast on bottom, 3d. each. ex.

If with lips, the saucepans 2d. each ex. The covers, 1d. each ex.

BELLIED SAUCEPANS.

No.			With block tin covers.		Open.		Block tin covers.		Jap'd covers.		Potatoe Steamer.	each.
			s.	d.	s.	d.	s.	d.	s.	d.		
00	...	$\frac{1}{2}$ pint	0	11 $\frac{1}{2}$	0	8	0	3 $\frac{1}{2}$	0	3	—	
0	...	$\frac{3}{4}$ pint	1	2	0	10	0	4	0	3	—	
1	...	1 pint	1	4 $\frac{1}{2}$	1	0	0	4 $\frac{1}{2}$	0	3 $\frac{1}{2}$	—	
2	...	1 $\frac{1}{2}$ pint	1	7 $\frac{1}{2}$	1	3	0	4 $\frac{1}{2}$	0	3 $\frac{1}{2}$	—	
2x	...	1 $\frac{3}{4}$ pint	1	9 $\frac{1}{2}$	1	5	0	4 $\frac{1}{2}$	0	3 $\frac{1}{2}$	—	
3	...	2 pints	1	11	1	6	0	5	0	3 $\frac{1}{2}$	—	
3x	...	2 $\frac{1}{2}$ pints	2	1	1	8	0	5	0	3 $\frac{1}{2}$	—	
4	...	3 pints	2	2 $\frac{1}{2}$	1	9	0	5 $\frac{1}{2}$	0	4	—	
4x	...	3 $\frac{1}{2}$ pints	2	5	1	11	0	6	0	4	—	
5	...	4 pints	2	6 $\frac{1}{2}$	2	0	0	6 $\frac{1}{2}$	0	4 $\frac{1}{2}$	1	9
5A	...	4 $\frac{1}{2}$ pints	2	9	2	2	0	7	0	4 $\frac{1}{2}$	1	9
5x	...	5 pints	2	11	2	4	0	7	0	4 $\frac{1}{2}$	1	9
5xx	...	5 $\frac{1}{2}$ pints	3	1 $\frac{1}{2}$	2	6	0	7 $\frac{1}{2}$	0	5	1	10
6	...	6 pints	3	3 $\frac{1}{2}$	2	8	0	7 $\frac{1}{2}$	0	5	1	10
6x	...	7 pints	3	8	3	0	0	8	0	5	1	11
7	...	4 quarts	4	0	3	3	0	9	0	5 $\frac{1}{2}$	2	1
7x	...	4 $\frac{1}{2}$ quarts	4	3	3	6	0	9	0	5 $\frac{1}{2}$	2	2
8	...	5 quarts	4	6	3	8	0	10	0	5 $\frac{1}{2}$	2	4
8x	...	5 $\frac{1}{2}$ quarts	4	9	3	11	0	10	0	5 $\frac{1}{2}$	2	5
9	...	6 quarts	5	0 $\frac{1}{2}$	4	2	0	10 $\frac{1}{2}$	0	6	2	5
10	...	7 quarts	5	5	4	6	0	11	0	6	2	9
11	...	8 quarts	5	10	4	10	1	0	0	7	3	0
11x	...	9 quarts	6	1	5	1	1	0	0	8	3	3
12	...	10 quarts	6	5	5	4	1	1	0	8	3	6
12x	...	11 quarts	6	9	5	7	1	2	0	8	4	0
13	...	12 quarts	7	1	5	10	1	0	0	9	5	0

ENAMELLED CAST IRON HOLLOWARE (continued).

BELLIED SAUCEPANS AND ROUND POTS,

WITH FRONT, BAIL, BOW, OR ELLIPTIC HANDLES.

No.			With block tin covers.		Open.		Block tin covers.		Jap'd covers.		each.
			s.	d.	s.	d.	s.	d.	s.	d.	
00	...	$\frac{1}{2}$ pint	1	5 $\frac{1}{2}$	1	2	0	3 $\frac{1}{2}$	0	3	
0	...	$\frac{1}{2}$ pint	1	6	1	2	0	4	0	3	
1	...	1 pint	1	7 $\frac{1}{2}$	1	3	0	4 $\frac{1}{2}$	0	3	
2	...	1 $\frac{1}{2}$ pint	1	10 $\frac{1}{2}$	1	6	0	4 $\frac{1}{2}$	0	3	
3	...	2 pints	2	2	1	9	0	5	0	3	
3x	...	2 $\frac{1}{2}$ pints	2	5	2	0	0	5	0	3	
4	...	3 pints	2	8 $\frac{1}{2}$	2	3	0	5 $\frac{1}{2}$	0	3	
4x	...	3 $\frac{1}{2}$ pints	2	10	2	4 $\frac{1}{2}$	0	6 $\frac{1}{2}$	0	3	
5	...	2 quarts	3	0 $\frac{1}{2}$	2	6	0	6 $\frac{1}{2}$	0	3	
5x	...	2 $\frac{1}{2}$ quarts	3	4	2	9	0	7	0	3	
6	...	3 quarts	3	7 $\frac{1}{2}$	3	0	0	7 $\frac{1}{2}$	0	3	
6x	...	3 $\frac{1}{2}$ quarts	3	11	3	3	0	8	0	3	
7	...	4 quarts	4	3	3	6	0	9	0	3	
7x	...	4 $\frac{1}{2}$ quarts	4	8 $\frac{1}{2}$	3	11	0	9 $\frac{1}{2}$	0	3	
8	...	5 quarts	5	1	4	3	0	10	0	3	
9	...	6 quarts	5	10 $\frac{1}{2}$	5	0	0	10 $\frac{1}{2}$	0	3	
10	...	7 quarts	6	5	5	6	0	11	0	3	
10x	...	7 $\frac{1}{2}$ quarts	6	9	5	9	1	0	0	6 $\frac{1}{2}$	
11	...	8 quarts	7	0	6	0	1	0	0	7	
11x	...	9 quarts	7	4	6	3	1	1	0	7	
12	...	2 $\frac{1}{2}$ gallons	7	7	6	6	1	1	0	8	
12x	...	2 $\frac{3}{4}$ gallons	7	11	6	9	1	2	0	8	
13	...	3 gallons	8	3	7	0	1	3	0	9	
14	...	3 $\frac{1}{2}$ gallons	8	10 $\frac{1}{2}$	7	6	1	4 $\frac{1}{2}$	0	11	
15	...	4 gallons	9	10	8	3	1	7	1	0	
15x	...	4 $\frac{1}{2}$ gallons	10	4	8	9	1	7	1	2	
16	...	5 gallons	12	0	10	0	2	0	1	4	
16x	...	5 $\frac{1}{2}$ gallons	12	9	10	9	2	0	1	6	
17	...	6 gallons	14	0	11	6	2	6	1	6	
18	...	7 gallons	15	9	12	9	3	0	1	9	
19	...	8 gallons	17	6	14	0	3	6	2	0	
19x	...	9 gallons	18	9	15	0	3	9	2	1	
20	...	10 gallons	19	9	15	9	4	0	2	3	
20x	...	11 gallons	20	6	16	0	4	6	2	4	
21	...	12 gallons	21	3	16	3	5	0	2	6	
21x	...	13 gallons	23	9	18	3	5	6	2	9	
22	...	14 gallons	25	9	20	0	5	9	3	0	
23	...	15 gallons	28	0	22	0	6	0	3	3	
24	...	16 gallons	31	0	24	6	6	6	3	6	
25	...	18 gallons	36	0	29	0	7	0	4	0	
26	...	20 gallons	43	6	34	0	7	6	4	6	
27	...	24 gallons	—	—	38	0	—	—	5	0	
28	...	30 gallons	—	—	43	0	—	—	8	0	

TEA KETTLES,

WITH CAST COVERS AND SPOUTS CAST IN.

No.			Iron Handle.		Brass Handle.		Iron Drop Handle.		Brass Drop or Brass Barrel Handle.		each.
			s.	d.	s.	d.	s.	d.	s.	d.	
90	...	1 pint	2	2	3	8	2	5	3	9	
80	...	1 $\frac{1}{2}$ pints	2	3	3	8	2	6	3	9	
70	...	1 $\frac{1}{2}$ pints	2	4	3	8	2	7	3	9	
60	...	1 $\frac{1}{2}$ pints	2	5	3	8	2	8	3	9	
50	...	2 pints	2	6	3	9	2	9	3	9	
40	...	2 $\frac{1}{2}$ pints	2	7	3	9	2	10	3	9	
30	...	2 $\frac{1}{2}$ pints	2	9	3	9	3	0	4	0	
20	...	3 pints	3	0	4	0	3	3	4	3	
10	...	4 pints	3	3	4	3	3	6	4	6	
1	...	5 pints	3	6	4	6	3	9	4	9	
2	...	6 pints	4	0	5	0	4	3	5	3	
3	...	7 pints	4	9	6	0	5	0	6	3	
3x	...	8 pints	5	0	6	3	5	3	6	6	
4	...	9 pints	5	6	6	10	5	9	7	1	
4x	...	10 pints	6	0	7	4	6	3	7	7	
5	...	5 quarts	6	6	7	10	6	9	8	2	
5x	...	5 $\frac{1}{2}$ quarts	7	0	8	7	7	5	8	10	
6	...	6 quarts	7	6	9	3	8	0	9	6	
7	...	7 quarts	8	6	10	3	8	9	10	6	
8	...	8 quarts	9	6	11	3	9	9	11	6	
9	...	9 quarts	10	6	12	3	10	9	12	6	
10	...	10 quarts	11	6	13	6	11	9	13	9	
11	...	11 quarts	12	3	14	0	12	5	14	6	
12	...	3 gallons	12	9	15	3	13	0	15	6	

Oval Kettles, -/3 extra.

ENAMELLED CAST-IRON HOLLOWARE (continued).

DEEP STEWPANS,

WITH LONG HANDLE COVER.

No.		With block tin covers.		Open.	Block tin covers.		Jap'd covers.			
		s.	d.		s.	d.	s.	d.		
4/0	$\frac{1}{2}$ pt.	0	11 $\frac{1}{2}$	0	7 $\frac{1}{2}$	0	4	0	3 $\frac{1}{2}$	ea.
3/0	1 pt.	1	1 $\frac{1}{2}$	0	9 $\frac{1}{2}$	0	4	0	3 $\frac{1}{2}$	"
2/0	1 $\frac{1}{2}$ pts.	1	3	0	10	0	5	0	4	"
0	2 pts.	1	5	0	11	0	6	0	4	"
1	2 $\frac{1}{2}$ pts.	1	8	1	1	0	7	0	4	"
2	3 pts.	2	0	1	4	0	8	0	4	"
3	4 pts.	2	5	1	8	0	9	0	5	"
4	5 $\frac{1}{2}$ pts.	2	11	2	1	0	10	0	5	"
5	6 pts.	3	5	2	6	0	11	0	5	"
6	7 pts.	3	10	2	10	1	0	0	5	"
7	8 $\frac{1}{2}$ pts.	4	5	3	2	1	3	0	6	"
8	10 pts.	4	10	3	6	1	4	0	6	"
9	11 pts.	5	7	4	0	1	7	0	7	"
10	12 pts.	6	4	4	6	1	10	0	7	"
11	13 pts.	7	0	5	0	2	0	0	8	"
12	16 pts.	8	3	6	0	2	3	0	9	"
13	19 pts.	9	7	7	0	2	7	0	10	"
14	11 qts.	10	11	8	0	2	11	0	11	"
15	12 qts.	12	4	9	0	3	4	1	0	"
16	13 qts.	14	0	10	0	4	0	1	1	"
17	14 qts.	18	4	12	0	4	10	1	4	"
18	15 qts.	19	6	14	0	5	0	1	9	"
19	16 qts.	21	9	16	0	5	6	2	0	"
20	17 qts.	24	0	18	0	6	0	2	6	"
21	18 qts.	26	6	20	0	6	6	3	0	"
22	19 qts.	29	0	22	0	7	0	3	6	"
23	20 qts.	31	6	24	0	7	6	4	0	"
24	21 qts.	34	0	26	0	8	0	4	6	"

No. 10, and all larger sizes, have front handles.

SHALLOW STEWPANS,

WITH LONG HANDLE COVER.

No.		With block tin covers.		Open.	Block tin covers.		Jap'd covers.	
		s.	d.		s.	d.		
4/0	0 11½	0	7½	0	4	0	3½	ea.
3/0	1 1½	0	9½	0	4	0	3½	"
2/0	1 3	0	10	0	5	0	4	"
0	1 4	0	11	0	5	0	4	"
1	1 6	1	0	0	6	0	4	"
2	1 10	1	3	0	7	0	4	"
3	2 2	1	6	0	8	0	5	"
4	2 7	1	10	0	9	0	5	"
5	3 1	2	3	0	10	0	5	"
6	3 5	2	6	0	11	0	5	"
7	3 10	2	10	1	0	0	6	"
8	4 5	3	2	1	3	0	6	"
9	4 11	3	7	1	4	0	7	"
10	5 7	4	0	1	7	0	7	"
11	6 4	4	6	1	10	0	8	"
12	7 9	5	9	2	0	0	9	"
13	8 9	6	6	2	3	0	10	"
14	10 1	7	6	2	7	0	11	"
15	11 5	8	6	2	11	1	0	"
16	12 10	9	6	3	4	1	1	"
17	15 6	11	6	4	0	1	2	"
18	18 4	13	6	4	10	1	4	"
19	21 0	15	6	5	6	1	9	"
20	23 3	17	6	5	9	2	0	"
21	25 6	19	6	6	0	2	6	"
22	28 0	21	6	6	6	3	3	"
23	30 6	23	6	7	0	3	6	"
24	33 0	25	6	7	6	4	0	"

No. 10, and all larger sizes, have front handles.

OVAL POTS,

UPRIGHT OR BELLIED, WITH BAIL OR END HANDLES.

No.		With Japanned covers.		Open.	Block tin covers.		Japanned covers.	
		s.	d.		s.	d.		
6/0	1 gallon	4	5	4	0	1	10	each.
5/0	1 gallon	4	8	4	3	1	11	"
4/0	1 gallon	4	11½	4	6	2	0	"
3/0	1½ gallons	5	6	5	0	2	2	"
2/0	1½ gallons	6	0½	5	6	2	4	"
2/0x	1½ gallons	6	7	6	0	2	5	"
0	2 gallons	6	10	6	3	2	6	"
0x	2½ gallons	7	2	6	6	2	9	"
0xx	2½ gallons	7	5	6	9	2	10	"
1	3 gallons	8	0	7	3	3	0	"
1x	3½ gallons	8	10	8	0	3	6	"
2	4 gallons	10	0	9	0	3	9	"
2x	4½ gallons	11	2	10	0	4	0	"
2xx	5 gallons	12	4	11	0	4	6	"
3	5½ gallons	13	3	11	9	5	0	"
3x	6 gallons	14	3	12	6	5	6	"
4	7 gallons	15	6	13	6	6	0	"
5	8 gallons	17	6	15	3	6	6	"
5x	9 gallons	19	6	17	0	7	0	"
6	10 gallons	21	0	18	6	7	6	"
7x	12 gallons	23	0	20	0	8	0	"
8	14 gallons	27	6	24	0	8	6	"
9	16 gallons	31	0	30	0	9	0	"

Valves to fit in cover under the handle, like digester valves, 5d. each extra.

Oval Pots, fitted with two 1-pint saucepans into cover, 2/6 each extra.

ENAMELLED CAST IRON HOLLOWWARE (continued).

MASLIN KETTLES,

WITH BAILS.

No.			s. d.		Jap'd Covers.		Block-tin Stewpan or Saucepan Covers.		
1	2½ pints		1	4	0	4	0	7	each.
2	3 pints		1	6	0	4	0	8	"
3	3½ pints		1	9	0	4	0	9	"
4	4½ pints	...	1	11	0	4	0	10	"
5	5½ pints		2	1	0	5	0	11	"
6	6 pints		2	4	0	5	1	0	"
7	7 pints		2	6	0	5	1	3	"
8	4 quarts		2	9	0	6	1	5	"
9	5 quarts		3	0	0	7	1	7	"
10	6 quarts		3	4	0	7	1	10	"
11	7 quarts		3	10	0	9	2	1	"
12	8 quarts		4	6	0	9	2	4	"
12x	9 quarts		5	0	0	9	2	6	"
13	10 quarts		5	6	0	10	3	0	"
13x	11 quarts		6	3	0	11	3	6	"
14	12 quarts		7	0	0	11	4	0	"
15	14 quarts		8	6	1	0	4	6	"
16	16 quarts		10	0	1	3	5	0	"
17	18 quarts		11	0	1	6	5	0	"
18	20 quarts		12	0	1	9	—	—	"
19	22 quarts		13	0	2	0	—	—	"
20	24 quarts		14	0	2	3	—	—	"

If with two bow handles instead of bails, - 6 each extra.

IMPROVED GRIDIRONS,

WITH MOVABLE BRIGHT FLAT HANDLE, WHICH CAN, IF REQUIRED, BE TAKEN OFF FOR PACKING.

s. d.				s. d.			
With 7 bars	...	...	2 0 each.	With 14 bars	...	...	4 6 each.
" 8 bars	...	...	2 3 "	" 15 bars	...	...	5 0 "
" 9 bars	...	...	2 6 "	" 16 bars	...	...	5 9 "
" 10 bars	...	...	2 9 "	" 17 bars	...	...	6 6 "
" 11 bars	...	...	3 0 "	" 18 bars	...	...	7 6 "
" 12 bars	...	...	3 6 "	" 19 bars	...	...	8 6 "
" 13 bars	...	...	4 0 "	" 20 bars	...	...	10 0 "

FLUTED GRIDIRONS,

WITH WOOD HANDLE.

s. d.				s. d.			
6 bar	...	...	1 10 each.	13 bar	...	...	3 6 each.
7 bar	...	...	2 0 "	14 bar	...	...	3 9 "
8 bar	...	...	2 3 "	15 bar	...	...	4 0 "
9 bar	...	...	2 6 "	16 bar	...	...	4 3 "
10 bar	...	...	2 9 "	18 bar	...	...	4 9 "
11 bar	...	...	3 0 "	20 bar	...	...	5 6 "
12 bar	...	...	3 3 "				

OBLONG MEAT DISHES.

Outside length.			Outside length.		
8 inches	...	1 9 each.	17	...	6 0
9	...	2 0 "	18	...	6 6
10	...	2 6 "	19	...	7 6
11	...	3 0 "	20	...	8 6
12	...	3 6 "	21	...	9 6
13	...	4 0 "	22	...	10 6
14	...	4 6 "	23	...	11 6
15	...	5 0 "	24	...	13 0
16	...	5 6 "			

OVAL PIE DISHES.

No.	4/0	3/0	2/0	0	1	2	3	4	5	6
Outside length	7	8	9	10	11	12	13	14	15	16 inch.
	1/6	1/9	2/-	2/6	3/-	3/6	4/-	4/6		5/6 each.

ENAMELLED AND TINNED WROUGHT-IRON HOLLOWWARE.

BELLIED SAUCEPANS,

WITH SEAM, TINNED AND BURNISHED.

With Lip, 1d. each extra.

		$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3	4	5	6 pints.
Open...	...	-/11	1/-	1/2	1/4	1/7	2/-	2/6	3/-
Covers	...	-/3 $\frac{1}{2}$	-/3 $\frac{1}{2}$	-/4	-/4 $\frac{1}{2}$	-/5	-/6	-/7	-/8 $\frac{1}{2}$

STRAIGHT SAUCEPANS,

WITHOUT SEAM, TINNED AND BURNISHED.

	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8	10	12	14	16 pts.
Open...	1/2	1/4	1/6	1/10	2/2	2/5	2/8	2/11	3/3	3/6	3/10	4/2	4/8	5/2	5/9	6/9
Covers	-/3	-/3 $\frac{1}{2}$	-/4	-/5	-/5 $\frac{1}{2}$	-/6	-/6 $\frac{1}{2}$	-/7 $\frac{1}{2}$	-/8 $\frac{1}{2}$	-/9 $\frac{1}{2}$	-/10 $\frac{1}{2}$	-/11 $\frac{1}{2}$	1/2 $\frac{1}{2}$	1/4	1/6	1/8

BELLIED SAUCEPANS,

WITHOUT SEAM, TINNED AND BURNISHED.

	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8	10	12	14	16 pts.
Open	1/6	1/8	1/10	2/1	2/4	2/7	2/10	3/2	3/7	3/11	4/3	4/8	5/1	5/9	6/3	7/-
Covers	-/3	-/3 $\frac{1}{2}$	-/4	-/4 $\frac{1}{2}$	-/5	-/5 $\frac{1}{2}$	-/6	-/6 $\frac{1}{2}$	-/7 $\frac{1}{2}$	-/8 $\frac{1}{2}$	-/9 $\frac{1}{2}$	-/10 $\frac{1}{2}$	-/11 $\frac{1}{2}$	1/2 $\frac{1}{2}$	1/4	1/6
Com. Tin'd & Jap'd Open ...	1/3	1/5	1/7	1/9	2/-	2/3	2/6	2/9	3/2	3/6	3/10	4/2	4/6	5/-	5/9	6/6

TINNED FLUED SAUCEPANS,

SEAMLESS, BODY BURNISHED.

With Lip, 1d. each extra.

					$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3	4 pints.
Open	...	...	...	...	1/1	1/3	1/7	1/11	2/5	3/-
Covers	...	...	...	...	-/3	-/3½	-/4	-/4½	-/5	-/6

BELLIED SAUCEPANS,

WITH SEAMS.

	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8 pints.
Open, enamelled grey and white ...	1/1	1/2	1/4	1/6	1/8	1/10	2/1	2/4	2/7	2/9	3/-	3/3
Open, tinned bellied, Blackoutside ...	-/8	-/9	-/10 $\frac{1}{2}$	1/-	1/2	1/3	1/4 $\frac{1}{2}$	1/6	1/8	1/10	2/-	2/3
Block Tin Covers	-/3	-/3 $\frac{1}{2}$	-/4	-/5	-/5 $\frac{1}{2}$	-/6	-/6 $\frac{1}{2}$	-/7 $\frac{1}{2}$	-/8 $\frac{1}{2}$	-/9 $\frac{1}{2}$	-/10 $\frac{1}{2}$	-/11 $\frac{1}{2}$

STRAIGHT SAUCEPANS,

WITHOUT SEAM.

	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8	10	12	14	16 pts.
Open, enamelled grey and white	1/4	1/6	1/9	2/-	2/3	2/6	2/10	3/2	3/6	3/9	4/2	4/7	5/2	5/11	6/9	7/9
Open, tinned	-/10 $\frac{1}{2}$	1/-	1/3	1/6	1/9	2/-	2/3	2/6	2/9	3/-	3/3	3/6	4/-	4/6	5/2	6/-
Open, tinned, jap'd outside	-/11	1/1	1/4	1/7	1/10	2/1	2/4	2/7	2/10	3/1	3/4	3/7	4/2	4/8	5/4	6/2
Registered Covers	-/2 $\frac{1}{2}$	-/3	-/3 $\frac{1}{2}$	-/4	-/4 $\frac{1}{2}$	-/5	-/5 $\frac{1}{2}$	6/-	-/7	-/7 $\frac{1}{2}$	-/8 $\frac{1}{2}$	-/9 $\frac{1}{2}$	-/11	1/-	1/3	1/6
Block Tin Covers	-3	-3 $\frac{1}{2}$	-4	-5	-5 $\frac{1}{2}$	-6	-6 $\frac{1}{2}$	-7 $\frac{1}{2}$	-8 $\frac{1}{2}$	-9 $\frac{1}{2}$	-10 $\frac{1}{2}$	-11 $\frac{1}{2}$	1/2 $\frac{1}{2}$	1/4	1/6	1/8

ENAMELLED AND TINNED WROUGHT-IRON HOLLOWARE

(continued.)

MASLIN KETTLES,

WITHOUT SEAM.

	2½	3	3½	4	5	6	7	8	10	12	14	16 pints.
Enamelled grey and white ..	2/2	2/5	2/9	3/-	3/5	3/9	4/1	4/4	5/-	5/8	6/6	7/6
Tinned	1/8	1/10	2/-	2/3	2/6	2/9	3/-	3/3	3/6	3/10	4/4	4/11
Japanned Black outside ...	1/10	2/-	2/2	2/5	2/8	2/11	3/2	3/5	3/8	4/-	4/6	5/1

STRAIGHT STEWPANS,

WITHOUT SEAM.

With Elliptic Bow Handles, or Circular Bow Handles.

	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12 diam.
Open, enamelled grey } and white	1/5	1/7	1/9	2/-	2/3	2/6	2/9	3/-	3/3	3/6	3/9	4/1	4/6
Open, tinned	1/-	1/1	1/2	1/4	1/6	1/8	1/11	2/2	2/5	2/8	3/-	3/4	3/8
Open, black outside ...	1/1	1/2	1/4	1/6	1/8	1/10	2/1	2/4	2/7	2/11	3/3	3/6	3/10
Block-tin covers ...	-/5	-/5½	-/6½	-/7½	-/8½	-/9	-/10	-/11	1/1	1/2	1/3	1/5	1/6

OVAL BAKE DISHES,

WITHOUT SEAM.

				8	9	10	11	12	13	14 inch.
Enamelled grey and white ...	...	...	-/11	1/1	1/3	1/6	1/9	2/1	2/5	
Ditto printed ...	...	...	1/4	1/6	1/8	1/11	2/2	2/7	3/-	
Tinned ... ..	...	...	-/5½	-/6½	-/7½	-/9	-/11	1/2	1/5	

MEAT DISHES,

WITHOUT SEAM.

			9	10	11	12	13	14	16	18	20	22 inch.
Enamelled grey and white ...	1/-	1/2	1/4	1/7	1/10	2/2	3/1	4/3	—	—		
Ditto printed ...	1/4	1/7	1/10	2/1	2/4	2/9	3/10	5/3	—	—		
Tinned	-/4½	-/6	-/7½	-/9	-/10½	1/1	1/6	1/11	2/5	3/-		
Galvanized	-/3½	-/4½	-/6	-/7	-/8½	-/10	1/2	1/7	2/-	2/6		

DINNER PLATES.

	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12 in.
Enamelled grey and white	-/7	-/7½	-/8	-/8½	-/9	-/10	-/10½	-/11½	1/-	1/1	1 2	1/4	1/5
Enamelled printed	10	10	11	1	1/1	1/2	1/3	1/4	1/5	1 6	1/7	1/8	1/9
Tinned Iron	2	2½	2	3	4	4	4½	-/4½	-/5½	-/5½	-/6½	-/7½	-/8

ENAMELLED AND TINNED WROUGHT IRON HOLLOWARE
(continued).

SOUP PLATES.

	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12 in.	
Enamelled grey and white	·77½	·8	·8½	·9	·9½	·10½	·11½	1/0½	1.1½	1/3	1/4	1.6	1/8	
Enamelled printed	...	·10½	·11½	1/-	1/0½	1/1½	1/2½	1/3½	1/4½	1/5½	1/7	1.8	1/10	2/
Tinned iron	...	·2½	·2½	·2¾	·3¼	·3½	·4	·4½	·5	·5½	·6½	·7	·7½	·8½

**HOT WATER PLATES,
WITH BLOCK-TIN BOTTOM.**

[illegible]

FOX'S PATENT MILK SKIMMERS.

								$6\frac{1}{8}$	9	11	incl.
								1	2	3	quarts.
Enamelled grey and white ... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	2/-	2/5	3 -	
Plain tin ... .. .	... .. .	... .. .	... .. .	... .. .	... .. .	... .. .	... .. .	1/4	1/8	2 -	

SHALLOW WASH-HAND BASINS,
WITHOUT SEAM.

				8	9	10	11	12	13	14	15	16	18	inch.
Enamelled grey and white				...	1/1	1,3	1/5	1/8	1/11	2/2	2/8	3,5	4/-	5,3
Ditto	printed	...	...	...	1/6	1,8	1/10	2/2	2/5	2/9	3/4	4/2	4/10	6/6
Ditto	marbled	...	...	...	1/6	1,8	1/10	2/2	2/5	2/9	3/4	4/2	4/10	6/6
Tinned	...	...	...	...	-/6½	-/7½	-/9	-/11	1/1	1/3	1/5	1/10	2/3	2/9
Galvanized	...	...	...	...	-/5	-/6	-/7	-/8½	-/10	1/-	1/2	1/5	1/9	2/1

DEEP WASH-HAND BASINS,
WITHOUT SEAM.

				8	9	10	11	12	13	14	15	16	18	20	n.ch.
Enamelled grey and white	...	...	...	1/2	1/5	1/8	1/11	2/3	2/7	3/2	4/1	5/-	6/2	—	
Ditto printed	...	...	...	1/7	1/10	2/1	2/5	2/9	3/1	3/10	4/9	5/8	7/3	—	
Ditto marbled	...	...	...	1/7	1/10	2/1	2/5	2/9	3/1	3/10	4/9	5/8	7/3	—	
Tinned and burnished...	...	...	...	1/2	1/5	1/8	2/-	2/4	2/8	3/-	3/7	4/3	5/-	5/6	
Galvanized	...	...	...	—, 6	—, 7	—, 9	—, 11	1/1	1/3	1/5	1/10	2/3	2/8	3/4	
Tinned	...	...	...	—, 8½	—, 10	1/0½	1/3	1/6	1/9	2/-	2/6	3/-	3/6	4/6	
							22	24	26	28	30	32	34	36	inch.
							5/6	6/9	8/9	10/6	12/-	13/9	17/6	18/9	

WATER BOWLS.

WITH HANDLE, WITHOLT SEAM,

					7	7½	8	8½	9	9½	10	11	12	inch.
Enamelled grey and white	...	...	...	...	1/3	1/5	1/6	1/7	1/8	1/9	1/10	2/1	2/3	
Tinned	...	...	...	...	7/10	7/11	1/2	1/1	1/2	1/3	1/4	1/6	1/9	
Galvanized	...	...	...	...	7/8	7/8½	7/9	7/9½	7/10½	7/11½	1/0½	1/2	1/4	

ENAMELLED AND TINNED WROUGHT-IRON HOLLOWARE
(continued).

SOUP BOWLS,
WITH FOOT, WITHOUT SEAM

					<i>t</i>	<i>τ</i>	<i>s</i> inch.
Enamelled grey and white					1.4	1.8	
Tinned and Burnished	...	...	...	...	1.10	1.1	
Covers for ditto							
Enamelled Grey	...	...	...	...	1.6	1.2	1.4
Tinned and Burnished	...	...	...	...	1.8	1.9	1.10

TEA CUPS AND SAUCERS.

BELL SHAPE.

[illegible]

BOWL SHAPE.

BOWL SHAPE		
Enamelled grey and white	.. .. .	1 10
Enamelled grey and white printed	.. .. .	1 10
Enamelled granite and white	.. .. .	1 10
Enamelled granite and white printed	.. .. .	1 10

COFFEE CUPS AND SAUCERS.

BELL SHAPE.

Enamelled grey and white	1 00
Enamelled grey and white printed	1 00
Enamelled granite and white	2 00
Enamelled granite and white printed	2 00

Bowl Shape.

	PAVE SHAPE.	
Enamelled gray and white	.. .. .	19
Enamelled gray and white printed	.. .. .	20
Enamelled granite and white	.. .. .	21
Enamelled granite and white printed	.. .. .	22

FRYING PANS.

ROUND, LIGHT, WIRED.

			Red, Light, White,								
			5	6	7	8	9	10	11	12	inch,
Polished	...	...	3,3	4,3	5/3	6/-	7,6	9 -	10 6	12 -	per doz.
Tinned	...	...	3,8	4/9	6/-	7/6	9,6	11,3	13 -	15 6	"

FRYING PANS.

ROUND, BELLED, LIGHT, WIRE.

		ROSE, BALSAM, STAM, WILKIN									
		1	5	6	7	8	9	10	11	12	inch.
Polished	...	3/-	3 9	4 6	5 6	7/-	8 6	10 -	12 -	14 -	per doz.
Timed...	...	3 3	4/-	5/-	6/-	8 6	10/-	12/-	15 -	18/-	"

ROUND FRYING PANS.

WITH SIDE OR STRAIGHT HANDLES.

LIGHT IRON.

	IRON-IRON.														
Top Measure	5	6	7	8	8½	9	9	10	10	11	11	12	12	13	14
Enamelled grey and white	9	10	11½	1/2	1/4	1/5	1/6	1/8	1/10	1/12	1/14	1/16	1/18	1/20	1/24
Fluted	4½	5½	7	9	11½	12	12	14	15	17	18	20	22	24	26

HEAVY IRON.

Enamelled grey and white	—	—	1 1/2	1 3/4	1 5/8	1 7/8	1 8 1/2	1 10	2 1	2 4	2 7 1/2	10 3 3 3 8
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OVAL FRYING PANS.

WITH SIDE OR STRAIGHT HANDLES.

LIGHT IRON.

	Size of Top	9	10	11	12	13	14	15 inch.
Enamelled grey and white	...	1/3	1/7	1/11	2/3	2/7	3 -	3/6

HEAVY IRON.

	Size of Bottom	8	8½	9½	10	10½	11½	12" inch.
Enamelled grey and white	..	1 6	1/9	2 1	2 5	2 9	3 3	3/10

WROUGHT IRON HOLLOWWARE.

TEA KETTLES.

	2	3	4	5	6	7	8	9	10	12	pints.
Best round	2 8	2 10	3 -	3 3	3 6	4 -	4 6	5 -	5 6	6 -	each.
Oval 1/- each extra											
First quality	...	...	...	...	...	...	...	...	...	...	Discount
Second	...	...	...	...	...	...	...	...	...	...	Discount
Third	...	...	...	...	...	...	...	...	...	...	Discount
Fourth	...	...	...	...	...	...	...	...	...	...	Discount
Fifth	...	...	...	...	...	...	...	...	...	...	Discount
Sixth	...	...	...	...	...	...	...	...	...	...	Discount
											per cent.

ROUND FRYING PANS.

Per Dozen.

No.	Size of Bottom.	Short Handle. Bright.	Short Handle. Tinned.	No.	Long Handle. Bright.	Long Handle. Tinned.	No.	Hanging. Bright.	Hanging. Tinned.
		s. d.	s. d.		s. d.	s. d.		s. d.	s. d.
000	5½ in.	10 0	11 6	000	13 6	15 6	000	14 6	16 0
00	6 "	11 0	12 6	00	14 6	16 6	00	15 6	17 0
0	6½ "	12 0	13 6	0	16 0	18 0	0	16 6	18 0
1	7 "	13 0	15 0	1	18 0	20 6	1	18 0	20 0
2	7½ "	14 0	16 0	2	20 0	22 6	2	19 0	21 0
3	8 "	16 0	18 0	3	22 0	24 0	3	21 6	23 6
4	8½ "	18 0	20 6	4	24 0	26 6	4	23 6	26 0
5	9 "	20 0	23 0	5	26 0	29 0	5	26 0	29 0
6	9½ "	23 0	26 0	6	30 0	33 0	6	29 0	32 0
7	10 "	26 0	29 0	7	33 0	36 0	7	32 6	35 6
8	10½ "	30 0	33 6	8	37 0	40 6	8	36 6	40 0
9	11 "	34 0	37 6	9	41 0	44 6	9	41 0	44 6
10	11½ "	38 0	41 6	10	45 0	48 6	10	45 0	48 6
11	12 "	42 0	45 6	11	49 0	52 6	11	49 6	53 0
12	12½ "	45 0	48 6	12	53 0	56 6	12	52 6	56 0
13	13 "	48 0	52 0	13	57 0	61 0	13	56 0	60 0
14	13½ "	51 0	55 0	14	61 0	65 0	14	59 0	63 0
15	14 "	54 0	58 0	15	65 0	69 0	15	63 0	67 0
16	14½ "	57 0	61 0	16	69 0	73 0	16	66 0	70 0
17	15 "	60 0	64 0	17	73 0	77 0	17	70 0	74 0

Bow Handles same price as above.

Discount

per cent.

OVAL FRYING PANS.

Per Dozen.

No.	Size of Bottom.	Short Handle. Bright.	Short Handle. Tinned.	No.	Long Handle. Bright.	Long Handle. Tinned.	No.	Hanging. Bright.	Hanging. Tinned.
		s. d.	s. d.		s. d.	s. d.		s. d.	s. d.
000000	7½ in.	12 0	14 0	000000	17 6	19 6	000000	17 6	19 6
00000	8 "	13 0	15 0	00000	19 0	21 0	00000	19 0	21 0
0000	8½ "	14 0	16 6	0000	20 0	22 6	0000	20 0	22 6
000	9 "	16 0	18 6	000	22 0	24 6	000	22 0	24 6
00	9½ "	18 0	20 6	00	24 0	26 6	00	24 0	26 6
0	10 "	20 0	22 6	0	26 0	28 6	0	26 0	28 6
1	10½ "	23 0	25 6	1	30 0	32 6	1	29 0	31 6
2	11 "	27 0	29 6	2	34 0	36 6	2	33 0	35 6
3	12 "	31 0	34 0	3	38 0	41 0	3	37 6	40 6
4	13 "	35 0	38 0	4	42 0	45 0	4	42 0	45 0
5	14 "	40 0	43 0	5	47 0	50 0	5	47 0	50 0
6	15 "	45 0	49 0	6	53 0	57 0	6	53 0	57 0
7	16 "	50 0	54 0	7	60 0	64 0	7	58 0	62 0
8	17 "	55 0	59 0	8	66 0	70 0	8	64 0	68 0

Bow Handles same price as above.

Discount

per cent.

SPADES AND SHOVELS

CENTRE STRAP SPADES.

Cast Steel surface, handles inlaid with Iron, rivetted eye, London size.

No.	Width.	Length.	Black.	Bright.
0	6½	by 11	44/-	54/- per doz.
1	7	11½	46/-	56/- "
2	7½	12	48/-	58/- "
3	8	12½	50/-	60/- "
4	9	13	51/-	62/- "

Treaded, 2/- per doz. extra.

CENTRE STRAP SPADES.

Thick top size.

No.	Width.	Length.	Black.	Bright.
0	7	by 11	46/-	56/- per doz.
1	7½	11½	48/-	58/- "
2	8	12	50/-	60/- "
3	8½	12½	52/-	62/- "

EXTRA LONG DOUBLE STRAP SOCKET SPADES.

Bright cast steel surface, solid cofter.

No.	Width.	Length.	Black.	Bright.
1	7	by 11½	...	56/- per doz.
2	7½	12	...	58/- "
3	8	12½	...	60/- "

IMPROVED CHESHIRE SPADES.

Bright cast steel surface, solid cofter.

No.	Width.	Length.	Black.	Bright.
1	7½	by 11½	...	56/- per doz.
2	8	12	...	58/- "
3	8½	12½	...	60/- "

LONDON SPADES.

Cast steel surface, long strap, rivetted eye

No.	Width.	Length.	Black.	Bright.
0	6½	by 11	...	38/- per doz.
1	7	11½	...	40/- "
2	7½	12	...	42/- "
3	8	12½	...	44/- "
4	8½	13	...	46/- "

Side Straps 2/- per doz. extra.

SOLID TREADED LONDON SPADES

Cast steel surface, (or patent) long straps, rivetted eye.

No.	Width.	Length.	Black.	Bright.
2	7½	by 12	...	46/- per doz.
3	8	12½	...	48/- "
4	8½	13	...	50/- "
5	9	13½	...	52/- "
6	9½	14	...	54/- "

HEREFORD SPADES.

Dovetail treaded side trap.

No.	Width.	Length.	Black.	Bright.
1	7½	by 7½ by 11	...	34/- per doz.
2	7½	8 " 11½	...	36/- "
3	8½	8½ " 12	...	38/- "

Bright, 8/- per doz. extra.

GLOUCESTER OR GABB'S PATTERN SPADES.

Treaded or plain tops,

No.	Width.	Length.	Black.	Bright.
1	7	by 7½ by 11	...	32/- per doz.
2	7½	8 " 11½	...	34/- "
3	8	8½ " 12	...	36/- "

THICK TOP SPADES.

Cast steel surface (or patent) long strap, rivetted eye, or crutch handle.

No.	Width.	Length.	Black.	Bright.
0	7	by 11	...	40/- per doz.
1	7½	11½	...	42/- "
2	8	12	...	44/- "
3	8½	12½	...	46/- "
4	9	13	...	48/- "

LONDON SPADES.

No.	Width.	Length.	Black.	Bright.
000	6	by 11	...	27/- per doz.
00	6½	11½	...	28/- "
0	7	12	...	29/- "
1	7½	12½	...	30/- "
2	8	13	...	31/- "
3	8½	13½	...	32/- "
4	9	14	...	33/- "

THICK TOP SPADES.

No.	Width.	Length.	Black.	Bright.
0	7	by 11	...	33/- per doz.
1	7½	11½	...	34/- "
2	8	12	...	35/- "
3	8½	12½	...	36/- "

TAPER THICK TOP SPADES.

No.	Top.	Bottom.	Long.	Black.	Bright.
1	7½	6½	11½	...	34/- per doz.
2	8	7	12	...	36/- "
3	8½	7½	12½	...	38/- "

CHESHIRE SOCKET SPADES.

No.	Width.	Length.	Black.	Bright.
1	8½	by 11½	...	42/- per doz.
2	8½	11½	...	44/- "
3	9	12	...	46/- "
4	9½	12½	...	48/- "

NORFOLK SPADES.

No.	Width.	Length.	Black.	Bright.
1	7½	by 6½ by 11½	...	38/- per doz.
2	8	7 " 12	...	40/- "
3	8½	7½ " 12½	...	42/- "

Bright, 8/- per doz. extra.

FINE SPADES.

No.	Width.	Length.	Black.	Bright.
1	7½	by 11½	...	36/- per doz.
2	8	12	...	38/- "
3	8½	12½	...	40/- "
4	9	13	...	42/- "

Rivet Strap, 2/- per doz. extra.

AUSTRALIAN SPADES.

Extra long strap, side strap ribbed.

No.	Width.	Length.	Black.	Bright.
1	7	by 11	...	44/- per doz.
2	7½	11½	...	46/- "
3	8	12	...	48/- "
4	8½	12½	...	50/- "

SCOTCH SPADES.

Ribbed.

No.	Width.	Length.	Black.	Bright.
1	7	by 6½ by 11	...	34/- per doz.
2	7½	7½ " 12	...	36/- "
3	8	7½ " 12½	...	38/- "
4	8½	8 " 13	...	40/- "
5	9	8 " 13½	...	42/- "

WELSH TREADED SPADES.

Long Strap and Side Strapped.

No.	Width.	Length.	Black.	Bright.
1	7	by 11½	...	34/- per doz.
2	7½	12	...	36/- "
3	8	12½	...	38/- "
4	8½	13	...	40/- "

CAPE SPADES.

Long Strap.

No.	Width.	Length.	Black.	Bright.
2	7½	by 12	...	34/- per doz.
3	8	12½	...	36/- "
4	8½	13	...	38/- "

LIGHT YORKSHIRE GARDEN SPADS.

No.	Width.	Length.	Black.	Bright.
1	7	by 11½	...	30/- per doz.
2	7½	12	...	32/- "
3	8	12½	...	34/- "

IRISH SPADES

No.	Width.	Length.	Black.	Bright.
7½	6½	13	...	40/- per doz.
7	6	14	...	40/- "
7½	6½	15	...	44/- "

2ft. 10in. eye or crutch tree.

SPADES AND SHOVELS (continued).

CENTRE STRAP SHOVELS.

Cast steel surface, handles inlaid with iron,
rivetted eye.

No.	Size.	Black.	Bright.
0	9 by 11	41	51 - per doz.
1	9 " 12	46	56 "
2	10 " 12	51	61 "
3	10 1/2 " 13	56	66 "

CENTRE STRAP SHOVELS.

Round Point.

No.	Size.	Black.	Bright.
2	10 1/2 by 12 1/2	48/-	58/- per doz.
3	11 " 13	50/-	60/- "
4	11 1/2 " 13 1/2	52/-	62/- "

LONDON SHOVELS.

Cast steel surface (or patent) long strap,
rivetted eye.

No.	Size.	Black.	Bright.
00	8 1/2 by 11	38/-	per doz.
0	9 " 11 1/2	40/-	"
1	9 " 12	42	"
2	10 " 12 1/2	44	"
3	10 1/2 " 13	46	"
4	11 " 13 1/2	48	"
5	11 1/2 " 14	50	"
6	12 " 14 1/2	54	"
7	12 1/2 " 15	56	"
8	13 " 15 1/2	60	"

GRAVEL SHOVELS.

Cast steel surface long strap.

No.	Size.	Black.	Bright.
2	10 by 12	34	per doz.
3	11 " 13	36	"
4	11 1/2 " 13 1/2	38	"
5	12 " 14	40	"

GRAVEL SHOVELS.

Long strap, side strap, treader, eye, or
crutch tree.

No.	Size.	Black.	Bright.
2	10 by 12	38	per doz.
3	11 " 13	40	"
4	11 1/2 " 13 1/2	42	"

CHESHIRE SOCKET SHOVELS.

Eye or crutch handle.

No.	Size.	Black.	Bright.
2	10 by 12 1/2	44/-	per doz.
3	10 1/2 " 13	46	"
4	11 " 13 1/2	48	"
5	11 1/2 " 14	50	"
6	12 " 14 1/2	54	"

TAMER SHOVELS.

Eye, crutch handle.

No.	Size.	Black.	Bright.
1	9 1/2 by 8 by 11 1/2	34	per doz.
2	10 " 8 1/2 " 12	36	"
3	10 1/2 " 9 " 12 1/2	38	"
4	11 " 9 1/2 " 13	40	"

NORFOLK SHOVELS.

No.	Size.	Black.	Bright.
00	8 by 11	34	per doz.
0	9 " 12	36	"
1	9 1/2 " 12 1/2	38	"
2	10 " 13	40	"

NORFOLK SPADE SHOVELS.

No.	Top.	Bottom.	Black.	Bright.
1	7 3/4 by 6 by 11	...	36	per doz.
2	8 1/4 " 6 1/2 " 11 1/2	...	38	"
3	8 3/4 " 7 " 12	...	40	"
4	9 1/4 " 7 1/2 " 12 1/2	...	42	"

LONDON SHOVELS.

No.	Size.	Black.	Bright.
00	8 by 11	27	per doz.
0	9 " 11 1/2	28	"
1	9 " 12	30	"
2	10 " 12 1/2	32	"
3	10 1/2 " 13	34	"
4	11 " 13 1/2	36	"
5	11 1/2 " 14	40	"
6	12 " 14 1/2	42	"
7	12 1/2 " 15	44	"
8	13 " 15 1/2	46	"

SCOTCH SHOVELS.

Ribbed and bearded.

No.	Size.	Black.	Bright.
1	10 1/2 by 11 1/2	34/-	per doz.
2	11 " 12	36	"
3	11 1/2 " 12 1/2	38	"
4	12 " 13	40/-	"

PIT OR WELL SINKERS' SHOVELS.

No.	Size.	Black.	Bright.
2	10 1/2 by 12 1/2	34	per doz.
3	11 " 13	36	"
4	11 1/2 " 13 1/2	38	"

Ribbed, 2,- per doz. extra.

BRISTOL RIBBED SHOVELS.

Steelled.

No.	Wale.	Black.	Bright.
1	8	30/-	per doz.
2	9	32	"
3	10	34	"
4	11	36	"
5	12	38	"
6	12 1/2	40	"
7	13	42	"
8	14	44	"
9	14 1/2	46	"
10	15	48	"
11	15 1/2	50	"
12	16	52	"

IMPROVED GRASS OR BARN SHOVELS.

No.	Size.	Black.	Bright.
1	10 by 12	40	per doz.
2	11 " 13	42	"

IMPROVED LONDON MUCK SHOVELS.

No.	Size.	Black.	Bright.
1	New pattern, solid...	53/-	per doz.
2	Rivettted	50	"

LOCOMOTIVE STOKING SHOVELS.

No.	Size.	Black.	Bright.
1	8 1/2 by 18	60	per doz.
2	9 " 19	64	"
3	10 " 20	68	"

NORFOLK WATER FURROW SHOVELS.

No.	Size.	Black.	Bright.
2	9 by 11	34	per doz.

WATER FURROW SHOVELS.

No.	Size.	Black.	Bright.
2	9 by 11	30	per doz.

SCOTCH SHOVELS.

Cast steel surface, ribbed and bearded.

No.	Size.	Black.	Bright.
2	11 by 12	42/-	per doz.
3	11 1/2 " 12 1/2	44	"
4	12 " 13	46/-	"
5	12 1/2 " 13 1/2	48	"

TRIMMERS' COAL SHOVELS.

With cape.

No.	Size.	Black.	Bright.
1	11 by 17	17	inch wide.
2	12 " 18	18	per doz.

COAL SHOVELS.

No.	Size.	Black.	Bright.
1	16 by 17	17	inch.
2	17 " 18	44/-	46/- per doz.
3	18 " 19	46/-	per doz.

With leather guard, 12,- per doz. extra.

SPADES AND SHOVELS (continued).

SUTTON SHOVELS.				DIGGING FORK, 3 prong			
<i>Long strap, eye, and crutch handle.</i>				Ditto			
No. 00	9	by 11½	30/- per doz.	Ditto	4 ditto	..	45/-
0	9½	" 12	..	Ditto	5 ditto	..	54/-
1	10	" 12½	..	MANURE FORK,	3 ditto	..	36/-
2	10½	" 13	..	Ditto	4 ditto	..	45/-
3	11	" 13½	..	Ditto	5 ditto	..	54/-
SAIT SHOVELS.				POTATO FORK,	3 ditto	..	36/-
15	by 15	..	48/- per doz.	Ditto	4 ditto	..	45/-
16	" 16	..	50/-	Ditto	5 ditto	..	54/-
17	" 17	..	52/-				
TAPER SHOVELS.				BOYS' SPADES.			
<i>Cast steel surface (or patent) long strap, rivetted eye.</i>				No. 1	5½	by 9	24/- per doz.
No. 1	9½	by 8	40/- per doz.	2	6	" 9½	26/-
2	10	" 8½	42/-	3	6½	" 10	28/-
3	10½	" 9	44/-				
4	11	" 9½	46/-	TOY SPADES.			
				No. 1	4½	by 7½	18/- per doz.
				2	5	" 8	20/-
				3	5½	" 8½	22/-

LOOKING GLASSES.

28×16 30×18 34×20 36×24 40×30 44×34 50×40 54×44 60×48									
Gilt Chimney Glasses, superior quality best plates, elliptic tops, various patterns, ornamented ea. }	—	20/-	26/-	31/6	42/-	56/-	74/-	105/-	130/-
Square top, richly ornamented ...	—	—	—	—	46/-	60/-	80/-	115/-	150/-
White and gold	—	—	—	—	—	—	110/-	145/-	180/-
Ebony and gold	—	—	—	—	—	—	130/-	165/-	200/-
22×12 23×13 24×14 27×15									
Walnut and tulip Chimney Glasses } elliptic tops, inlaid each. }	16/-	17/-	23/-	24/-	28/-	—	—	—	—
Ditto ditto round corners ,,	14/-	16/-	—	—	—	8/-	9/-	10/-	11/6
Rosewood Chimney Glasses, } superior quality four blocks ea. }	14/-	16/-	22/-	27/-	—	—	—	10/-	11/6
Black and gold Chimney Glasses } assorted patterns, best plates ea. }	—	21/-	25/-	32/-	40/-	—	—	—	—
BEST FANCY TOILET GLASSES.									
Polished Backs and Patent Move- ments. Best Plates.									
No. 52-24 by 18	45/-								
„ 53-24 „ 18	55/-								
„ 54-24 „ 18	55/-								
„ 55-24 „ 18	50/-								
„ 56-22 „ 16	35/-								
„ 57-24 „ 18	27/-								
„ 58-24 „ 18	36/-								
„ 59-24 „ 18	40/-								
„ 60-24 „ 18	45/-								
„ 61-22 „ 16	28/-								
„ 62-24 „ 18	30/-								
„ 63-24 „ 18	28/-								
„ 64-24 „ 18	32/-								
„ 65-24 „ 18	30/-								
„ 66-20 „ 16	23/-								
„ 67-18 „ 14	19/-								
TWISTED PILLARS, MARBLE SLAB.									
Polished Backs, Patent Move- ments. Best Plates.									
18 by 14	21/-								
20 „ 16	24/-								
22 „ 16	26/-								
24 „ 18	28/-								
RING PILLARS, POLISHED BACKS.									
Patent Movements, Best Plates.									
14 by 10	7/6								
BEST MOULDED TRAYS.									
Polished Backs. Best Plates.									
18 by 14	14/-								
16 „ 12	10/-								
If with Patent Movements, -/9 extra.									
BOX TRAYS.									
14 by 10	5/-								
16 „ 12	8/6								
18 „ 14	11/6								
20 „ 16	14/6								
24 „ 18	19/-								
MOULDED TRAYS.									
14 by 10	5/-								
16 „ 12	8/6								
18 „ 14	11/6								
20 „ 16	14/6								
PLAIN TRAYS.									
9 by 7 ... 1, 11 ... 2, 1	Extra quality cross banded & cedar backs								
10 „ 8 ... 2/- ... 2, 4									
12 „ 9 ... 3/- ... 3, 4									
14 „ 10 ... 3/6 ... 4, 2									
16 „ 12 ... 6/- ... 6, 9									
MAHOGANY DRESSERS.									
Plate. Common.									
6 by 4 per doz. 4/-									2 6
7 „ 5 „ 6/-									3 6
8 „ 6 „ 8/-									5
9 „ 7 „ 12/-									—
10 „ 8 „ 16/-									—
12 „ 9 „ 24/-									—
14 „ 10 „ 30/-									—
BEST MAHOGANY CHEVAL.									
Panel Back, Patent Movements, and Castors.									
48 by 24									85/-
BEST GILT GIRANDOIES.									
Good Bold Ornaments. Best Plates.									
24 by 18									36/- and 42/-
26 „ 10									34/-
With Jewel Box, 1/6 extra.									

TABLE GLASS.

TUMBLERS.

PRESSED OR MOULDED.

	£	s	d.	
Half-pint, 10 hollow flutes, or fancy flute, or octagon ...	0	1	9	dozen.
Ditto, tall shape, equal in appearance to cut ...	0	2	9	"
Pint ditto ditto ditto ...	0	3	6	"
Third of quart ditto ditto ...	0	2	6	"
Fifth of quart ditto ditto ...	0	1	6	"
Third of pint ditto ditto ...	0	1	5	"
Quarter-pint, various patterns ...	0	1	1	"
Fifth of pint, ditto ...	0	1	0	"
Sixth of pint ditto ...	0	0	11	"
Twelfth of pint ditto ...	0	0	10	"
Twenty-third ditto ...	0	0	9	"
Fourteenth ditto ...	0	0	8	"
Twenty-seventh ditto ...	0	0	7½	"

The smaller sizes of the above are usually packed in nests.

CUT.

Half-pint, 10 flat flutes, polished bottom ...	0	3	6	"
Ditto, 14 hollow flutes, ditto ...	0	3	6	"
Ditto, 10 flat flutes, tall shape, polished bottom ...	0	3	9	"
Ditto, 12 hollow flutes, ditto ditto ...	0	5	0	"
Ditto, 14 flat flutes, best English crystal ...	0	6	0	"
Ditto, 14 hollow flutes, well bottom ...	0	7	0	"
Ditto, plain taper, very thin, polished bottom ...	0	3	6	"

GOBLETS, &c.

Half-pint grog goblet, 50 doz. in case ...	0	1	8	dozen.
Third of pint lemon bowl, ditto ...	0	1	8	"
Fifth of quart ditto ditto ...	0	1	9	"
Half-pint ditto 25 doz. in case ...	0	1	10	"
Third of pint ale glass, 25 doz. in case ...	0	2	6	"
Fifth of quart ditto ditto ...	0	2	7	"
Half-pint ditto ditto ...	0	2	8	"
Third of pint cut stem grog goblet, 25 doz. in case ...	0	3	6	"
Fifth of quart cut stem Elgin ale ditto ...	0	3	9	"
Half-pint ditto ditto ditto ...	0	4	0	"
Fifth of quart cut stem city ale, cut hollows, 25 doz. in case ...	0	6	0	"
Half pint ditto ditto ditto ditto ...	0	6	6	"
Fifth of quart cut bowl goblet, 25 doz. in case ...	0	6	6	"
Half-pint heavy plain jug, polished bottom, 12 doz. in case ...	0	6	3	"
Pint ditto ditto ditto ...	0	8	3	"
Quart ditto ditto ditto ...	0	10	6	"
Pint, heavy octagon moulded soda tumbler, 20 doz. in case ...	0	4	0	"
Ditto, plain heavy soda tumbler, 20 doz. in case ...	0	3	9	"
Ditto, cut 10 flute ditto ditto ...	0	7	6	"
Ditto, best crystal zephyr soda tumbler, 20 doz. in case ...	0	7	6	"
Ditto, decanter, engraved vine, cut diamond neck, star bottom ...	0	7	0	"
Quart decanter ditto ditto ditto ...	1	13	0	"
Pint ditto, cut 3-row mirrors, diamond cut neck ...	0	7	0	"
Quart ditto ditto ditto ...	1	13	0	"
Pint ditto, engraved stars, cut diamond neck, star bottom ...	0	7	0	"
Quart ditto, ditto ditto ditto ...	1	13	0	"

These three decanters are packed in cases of 24 sets, either all of one pattern or assorted of the three patterns described. A set consists of four decanters, namely, 2 pint and 2 quart.

Quart water bottle, cut neck, 6 doz. in case ... 0 11 6 dozen.

TABLE GLASS (continued).

WINE GLASSES, &c.

	l.	s.	d.	
Plain thin stem, 50 doz. in case, either all sherry, or half sherry, and half port	0	1	8	dozen.
Ditto better quality	0	2	0	"
Prince's pattern, moulded, plain or fluted, in cases as above	0	1	10	"

CUT.

One row of hollows, 50 doz. in case, either all sherry or half sherry and half port	0	2	2	"
One row flat flutes, or assorted five good patterns, and packed as above	0	2	2	"
Engraved sherry and port	0	3	9	"
Ditto claret to match ...	0	6	9	"
Ditto champagne	0	9	6	"
Ditto jelly	0	6	0	"
Ditto custard	0	7	0	"
Ditto carafe and tumbler	1	10	0	"
Ditto finger glass	0	14	0	"
Ditto ditto star bottom... ..	0	17	0	"
Ditto oval dishes to match— 6in. 13/9, 7½, 24, 6, 9, 36/- 10, 46/- 11, 60/-				
Ditto decanter, quart to match ...	3	6	0	"
Ditto ditto pint	2	10	0	"
Ditto claret	5	12	0	"
Plain best crystal, thin stem, port or sherry	0	5	0	"
Ditto ditto champagne	0	9	6	"
Ditto ditto claret	0	7	0	"
Thin plain, thin stem, champagne, 25 doz. in case ...	0	4	0	"
Cut hollows ditto ditto	0	6	0	"
Ruby hock glass, crystal stem ditto	0	7	6	"
Green or blue ditto ditto	0	3	0	"
Green ditto, crystal cut stem ditto	0	5	6	"
Emerald ditto, best crystal ditto	0	7	6	"

BEST ENGLISH CUT OR ENGRAVED

Wines 5/6 to	0	14	0	dozen.
Clarets 7/6 "	0	16	0	"
Champagnes 9/6 "	0	18	0	"
Liqueurs 5/3 "	0	13	0	"
Custards 9/6 "	1	1	0	"
Jellies 9/6 "	1	1	0	"
Soda tumblers 15/- "	1	16	0	"
Goblets 11/- "	1	16	0	"
Quart decanters 5/6 "	0	13	0	each.
Pickles 3/- "	0	16	0	"
Carafe and tumbler 3/- "	0	12	0	"
Comports -/10 "	0	2	6	p. inch.
Finger glasses 18/- "	4	10	0	p. doz.
Water jugs and two goblets 18/- "	2	10	0	p. set.

HOOKS AND EYES AND THIMBLES.

SWAN BILL HOOKS AND EYES.

ON CARDS OF TWO DOZ. HOOKS AND EYES.

FIRST QUALITY, EXTRA STRONG.

	No. 1	2	3	4	5	6	7	8
Plated	2/-	2/1	2/6	2/10	3/3	3/10	4/6	5/1
Black	1/5	1/6	1/7	1/9	1/10	2/-	2/2	2/4
Tinned	1/7	1/8	1/10	2/-	2/3	2/7	2/10	3/1

	4	5	6	6	7	8
Assorted sizes, Plated ...		3/3			4/5	
" " Black ...		1/10			2/2	
" " Tinned ...		2/2			2/9	

Per great gross.

SECOND QUALITY.

	No. 1	2	3	4	5	6	7	8
Plated	1/11	2/-	2/3	2/7	2/9	3/1	3/6	4 -
Black	1/2	1/3	1/5	1/6	1/8	1/9	1/10	1/11
Tinned	1/3	1/4	1/6	1/7	1/9	1/10	1/11	2 -

	4	5	6	6	7	8
Assorted sizes, Plated ...		2/9			3/6	
" " Black ...		1/8			1/10	
" " Tinned ...		1/9			1/11	

Per great gross.

If in boxes of six cards, or 1 gross Hooks and Eyes, -/3½ per great gross extra.

HOOKS ONLY, OR HOOKS AND EYES IN PACKETS.

FIRST QUALITY.

	No. 1.	No. 2.
Plated ...	5/-	6/- per gross packets.
Black or Tinned	3/10	5/- " "

SECOND QUALITY.

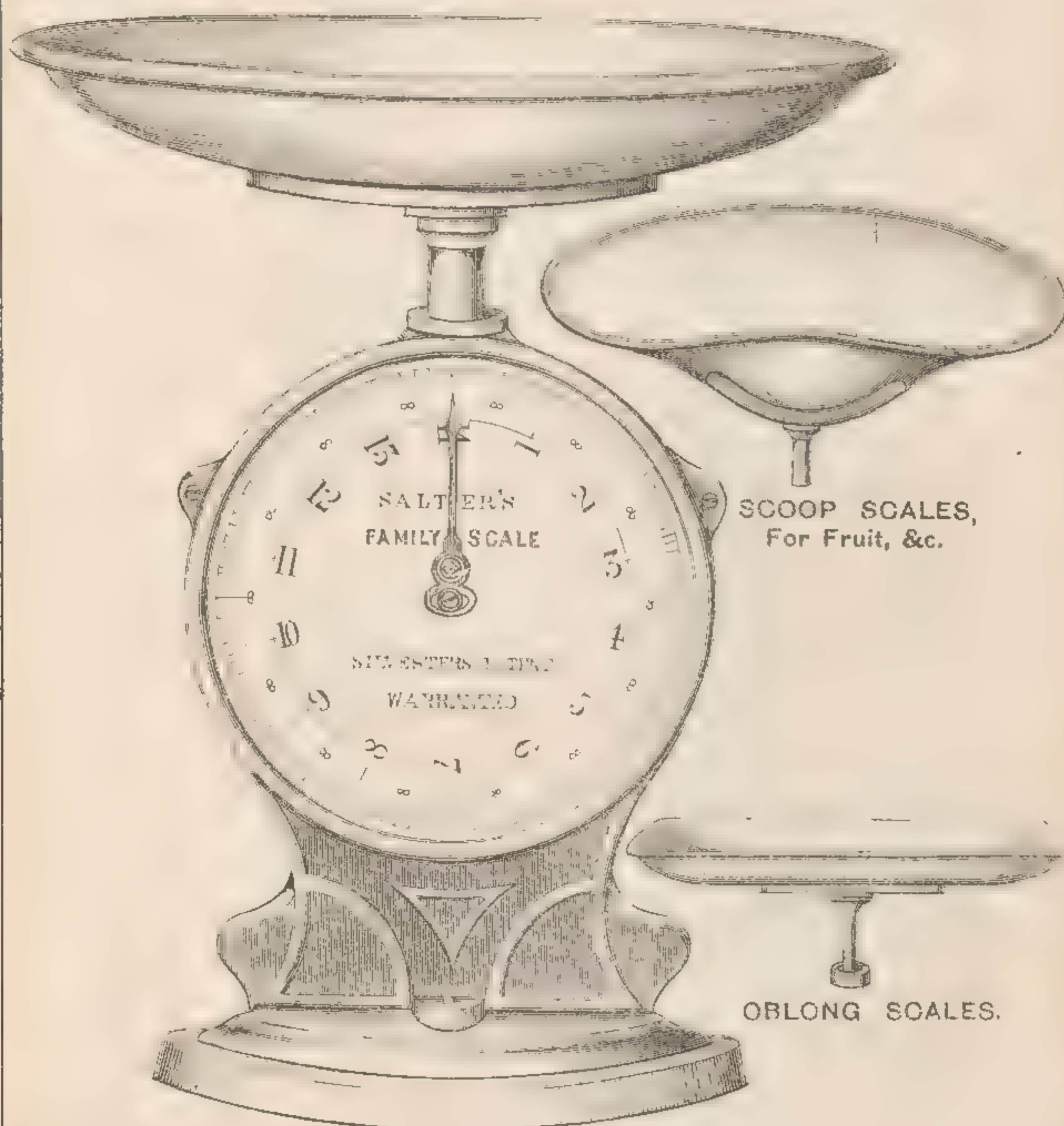
	No. 1.	No. 2.
Plated ...	3/10	5/- per gross packets.
Black or Tinned	2/9	3/10 " "

THIMBLES.

	Child's.	Maid's.	Women's	Outs.	
Plated ...	2/3	2/5	2/9	3/-	per gross, in 1 gro. boxes.
Imperial Steel Ends	2/3	2/5	2/9	3/-	"
Steel, White lined	—	—	5/-	5/3	"
" German lined	—	—	6/-	6/3	"
" Tailors', White lined	—	—	5/-	5/3	"
" " German lined	—	—	6/-	6/3	"

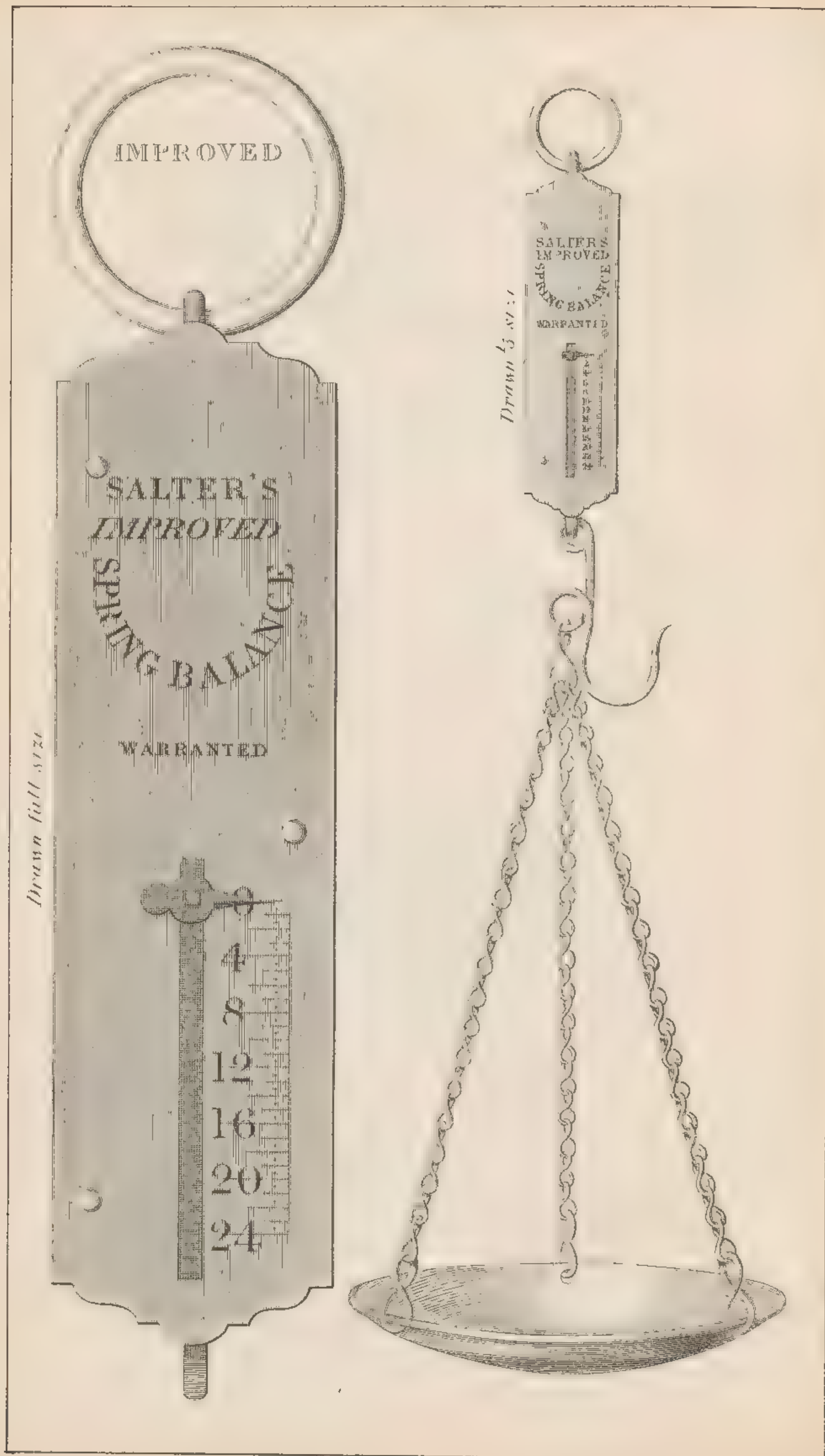
If in Fancy Round Boxes, per gross extra.

FAMILY BALANCE.



	ROUND SCALE.	OBLONG SCALE.	SCOOP SCALE.
To weigh 7lbs. $\times \frac{1}{2}$ oz., 5in., Dial	8in. 9/0	10 \times 7in. 9/6	11 \times 8in. 9 6 ea
" 14— \times 1— 5— "	9— 9/0	10 \times 7— 9/6	12 $\frac{1}{2}$ \times 8 $\frac{1}{2}$ —9/6 "
" 25— \times 1— 7 $\frac{1}{2}$ — "	11— 14/6	12 \times 9— 15/0	15 \times 10—15/0 "
" 28— \times 2— 6 $\frac{1}{2}$ — "	10— 10/0	11 \times 8— 10/6	14 \times 9—10/6 "
" 50— \times 2— 7 $\frac{1}{2}$ — "	12— 15/6	13 \times 9 $\frac{1}{2}$ —16/0	16 $\frac{1}{2}$ \times 11—16/0 "

If made with Enamelled Dials and Black Figures the extra price is for 5in., 6d. ; 6 $\frac{1}{2}$ in., 1/0 ; and 7 $\frac{1}{2}$ in., 1/6 each.



IMPROVED BALANCES, BEST QUALITY.

TO WEIGH	WITH HOOK ONLY.	WITH HOOK AND TIN SCALE.
30lb. x 1lb.	22 0 $\frac{1}{2}$ doz.	8in. scale 36 $\frac{1}{2}$ doz.
40 " "	30/0 "	10 " 51/0 "
50 " "	40/0 "	11 " 61/0 "
60 " "	50/0 "	11 " 74/0 "
70 " "	60/0 "	11 " 84/0 "
80 " "	72/0 "	11 " 96/0 "
90 " "	90/0 "	12 " 120/0 "
100 " "	108/0 "	12 " 138/0 "
112 " "	10/0 each.	14 " 13/0 each
120 " "	12/0 "	14 " 15/0 "
130 " "	14/0 "	14 " 17/0 "
140 " "	16/0 "	14 " 19/0 "
150 " "	18/0 "	16 " 23/0 "
168 " "	20/0 "	16 " 25/0 "

24lb. x $\frac{1}{2}$ lb.	22/0 $\frac{1}{2}$ doz.	8in. scale 36 $\frac{1}{2}$ doz.
30 " "	30/0 "	9 " 48/0 "
40 " "	51/0 "	10 " 72/0 "
50 " "	72/0 "	11 " 96/0 "
60 " "	102/0 "	11 " 126/0 "
80 " "	12/0 each	11 " 14/0 each
100 " "	18/0 "	12 " 20/6 "
112 " "	22/0 "	14 " 25/0 "

12lb. x $\frac{1}{2}$ lb.	22/0 $\frac{1}{2}$ doz.	8in. scale 36 $\frac{1}{2}$ doz.
15 " "	30/0 "	9 " 48/0 "
20 " "	42/0 "	9 " 60/0 "
25 " "	51/0 "	10 " 72/0 "
30 " "	72/0 "	10 " 93/0 "
40 " "	96/0 "	11 " 120/0 "
50 " "	12/6 each.	11 " 14/6 each
60 " "	15/0 "	11 " 17/0 "

8lb. x 2oz.	30/0 $\frac{1}{2}$ doz.	8in. scale 45 $\frac{1}{2}$ doz.
10 " "	42/0 "	8 " 57/0 "
14 " "	60/0 "	9 " 78/0 "
20 " "	84/0 "	9 " 102/0 "
24 " "	108/0 "	9 " 126/0 "

6lb. x 1oz.	60/0 $\frac{1}{2}$ doz.	8in. scale 75 $\frac{1}{2}$ doz.
8 " "	72/0 "	3 " 87/0 "
10 " "	84/0 "	9 " 102/0 "
12 " "	108/0 "	9 " 126/0 "

4lb. x $\frac{1}{2}$ oz.	72/0 $\frac{1}{2}$ doz.	8in. scale 87 $\frac{1}{2}$ doz.
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2lb. x $\frac{1}{2}$ oz.	72/0 $\frac{1}{2}$ doz.	8in. scale 87 $\frac{1}{2}$ doz.
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SPRING BALANCES, Second Quality, Marked No. 2.

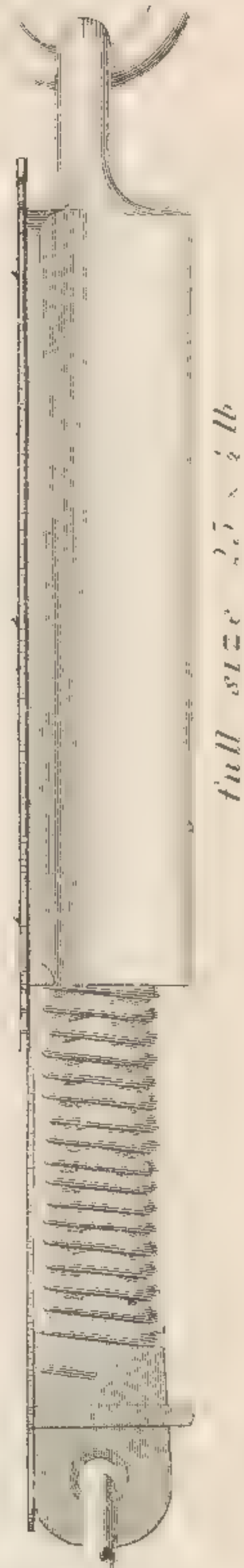
TO WEIGH	WITH HOOK ONLY.	WITH HOOK AND TIN SCALE.
50lb. x 1lb.	33/0 $\frac{1}{2}$ doz.	11in. scale 54 $\frac{1}{2}$ doz.
75 " "	60/0 "	11 " 84/0 "
100 " "	90/0 "	12 " 120/0 "

24lb. x $\frac{1}{2}$ lb.	15 0 $\frac{1}{2}$ doz.	8in. scale 27 $\frac{1}{2}$ doz.
30 " "	25/0 "	9 " 40/0 "
40 " "	45/0 "	10 " 63/0 "
50 " "	66/0 "	11 " 87/0 "
60 " "	90/0 "	11 " 111/0 "

12lb. x $\frac{1}{2}$ lb.	15 0 $\frac{1}{2}$ doz.	8in. scale 27 $\frac{1}{2}$ doz.
15 " "	25/0 "	9 " 40/0 "
20 " "	36/0 "	9 " 51/0 "
25 " "	45/0 "	10 " 63/0 "
30 " "	60/0 "	10 " 78/0 "
40 " "	84/0 "	11 " 105/0 "
50 " "	126/0 "	11 " 147/0 "
60 " "	156/0 "	11 " 177/0 "

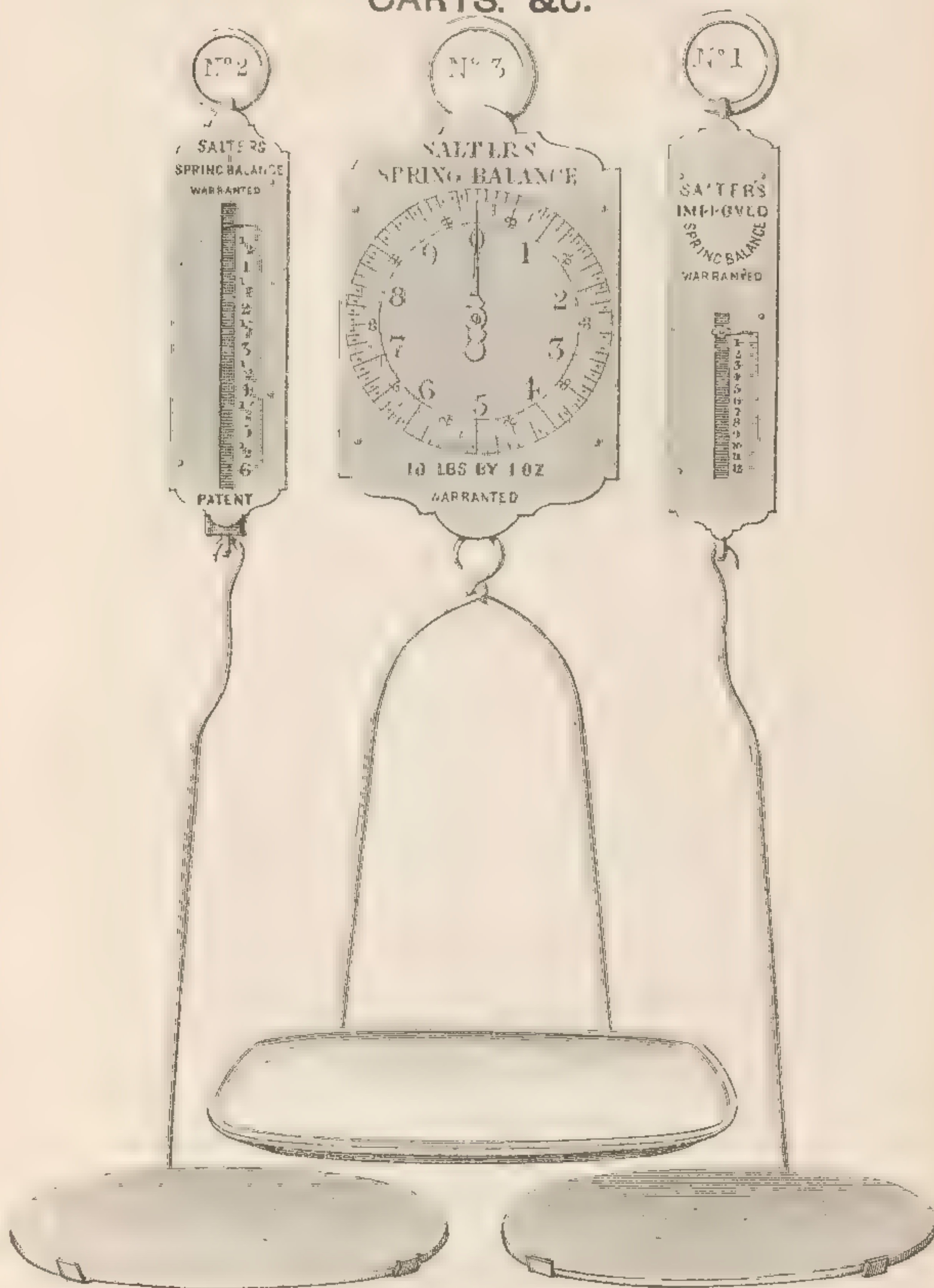
The above are the ONLY sizes made
Second Quality.

PATENT POCKET BALANCE.



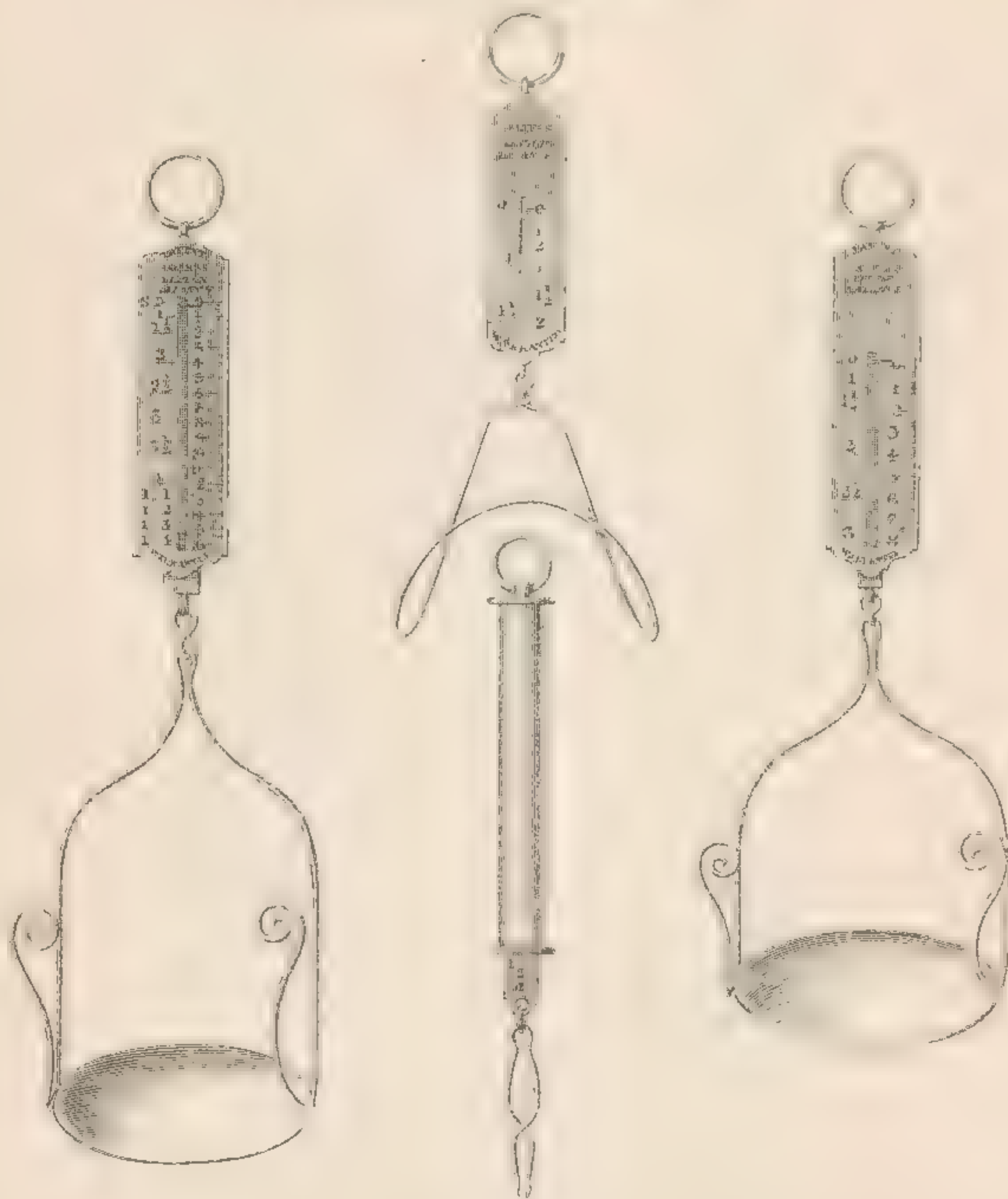
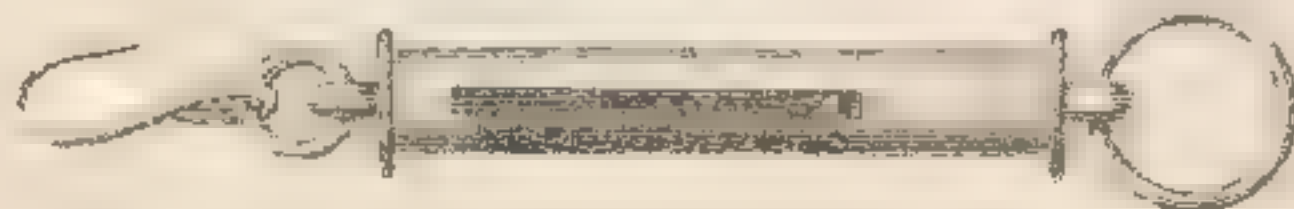
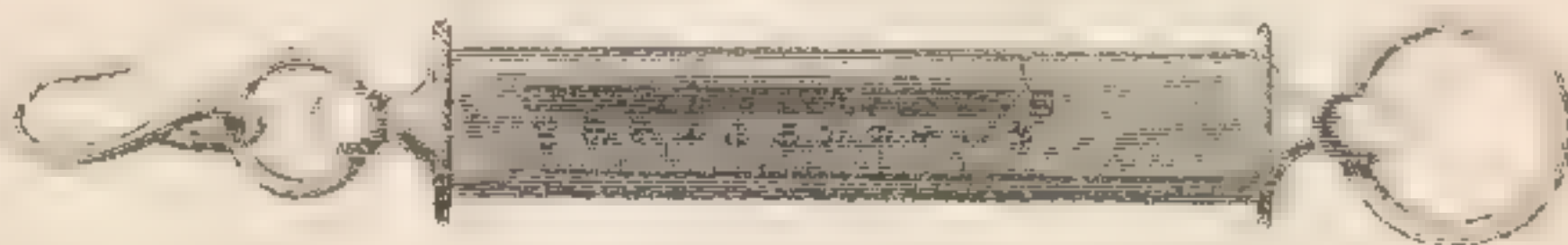
TO WEIGH.		WITH HOOK ONLY.	WITH HOOK AND TIN SCALE.
12lbs.	x 1lb.	10/3 $\frac{1}{2}$ doz.	7-inch Scale, 20/6 $\frac{1}{2}$ doz.
15—	1—	18/0 "	8 " 30/0 "
20—	1—	30/0 "	9 " 45/0 "
25—	1—	10/3 "	7 " 20/6 "
30—	1—	18/0 "	8 " 30/0 "
40—	1—	30/0 "	9 " 45/0 "
50—	1—	45/0 "	11 " 66/0 "
40—	1—	18/0 "	9 " 30/0 "
50—	1—	24/0 "	10 " 42/0 "
60—	1—	30/0 "	10 " 48/0 "
75—	1—	40/0 "	11 " 61/0 "
100—	1—	60/0 "	12 " 90/0 "

BALANCES SUITABLE FOR BAKERS'
CARTS. &c.



No. 1.—	To weigh	12-lbs.	x	$\frac{1}{4}$ lb.	3/3 each.
"	"	6—	x	2-oz.	3/3 "
"	"	8—	x	2—	4/- "
No. 2.—	"	6—	x	1—	6/6 "
"	"	8—	x	1—	7/6 "
"	"	10—	x	1—	8/6 "
No. 3.—	"	10—	x	1—	9/- "

LETTER BALANCES.

*G Silver Sportsman's**Small Brass Sportsman's**Brass Sportsman's with G Silver Plate*

LETTER BALANCES.

By 1oz.	2oz.	7/ per doz.	With Stand, 11/6 per doz.
" 1—	4—	11/6 "	" 18/ "
" 2—	8—	27/ "	" 36/ "
" 4—	16—	36/ "	" 48/ "
" 8—	4—	20/ "	G. Silver, with Spring Hook, for Desks.

GERMAN SILVER SPORTSMAN'S.

To weigh 5lbs. x 1lb.	...	With Hook	...	18/ per doz.
" 10—	1/2—	"	...	24/ "
" 12—	1/2—	"	...	30/ "
" 20—	1/2—	"	...	30/ "

SMALL BRASS SPORTSMAN'S.

To weigh 7lbs. x 1/2lb.	22/ per doz.	To weigh 6lbs. x 1/2lb.	25/ per doz.
" 12—	25/ "	" 8—	28/ "
" 16—	28/ "	" 10—	31/ "
" 20—	31/ "	" 15—	38/ "
" 25—	34/ "	" 20—	45/ "
" 30—	38/ "	" 2—	1oz. 30/ "
" 40—	45/ "	" 4—	1— 45/ "
" 50—	60/ "	" 8—	2— 45/ "
" 60—	72/ "		

FULL SIZE SPORTSMAN'S.

BRASS.		GERMAN SILVER.	
To weigh 10lbs. x 1/2lb.	42/ per doz.	To weigh 10lbs. x 1/2lb.	45/ per doz.
" 15—	48/ "	" 15—	51/ "
" 20—	42/ "	" 20—	45/ "
" 30—	48/ "	" 30—	51/ "

BRASS SPORTSMAN'S, with German Silver Plate.

To weigh	...	10lbs. x 1/2lb.	...	45/ per doz.
"	...	15—	1/2—	51/ "
"	...	20—	1/2—	60/ "
"	...	20—	1/2—	45/ "
"	...	30—	1/2—	51/ "

BALANCES FOR WEIGHING SILK, with Wire Frame.

To weigh	...	16 drams x 1/4 dram	...	8/ each.
"	...	20—	1/4—	9/ "
"	...	32—	1/4—	10/ "
"	...	64—	1/4—	15/ "
"	...	60 deniers, 12in. barrels...	...	12/6 "
"	...	80 " 14 " "	...	15/ "

CIRCULAR BALANCE,
For use in PARCEL OFFICES, WAREHOUSES, &c.



To weigh							If without Scale, and with Hook only, or adjusted for Scale.	
28lbs	x	2oz,	10in.	Dial,	14in.	Iron Scale	32/-	26/- each.
" 56—	x	2—	15—	"	16—	"	48/-	38/- "
" 56—	x	1lb.,	10—	"	16—	"	35/-	25/- "
" 80—	x	1—	12—	"	16—	"	45/-	35/- "
" 112—	x	1—	15—	"	18—	"	52/-	40/- "
" 112—	x	1—	10—	"	18—	"	40/-	28/- "

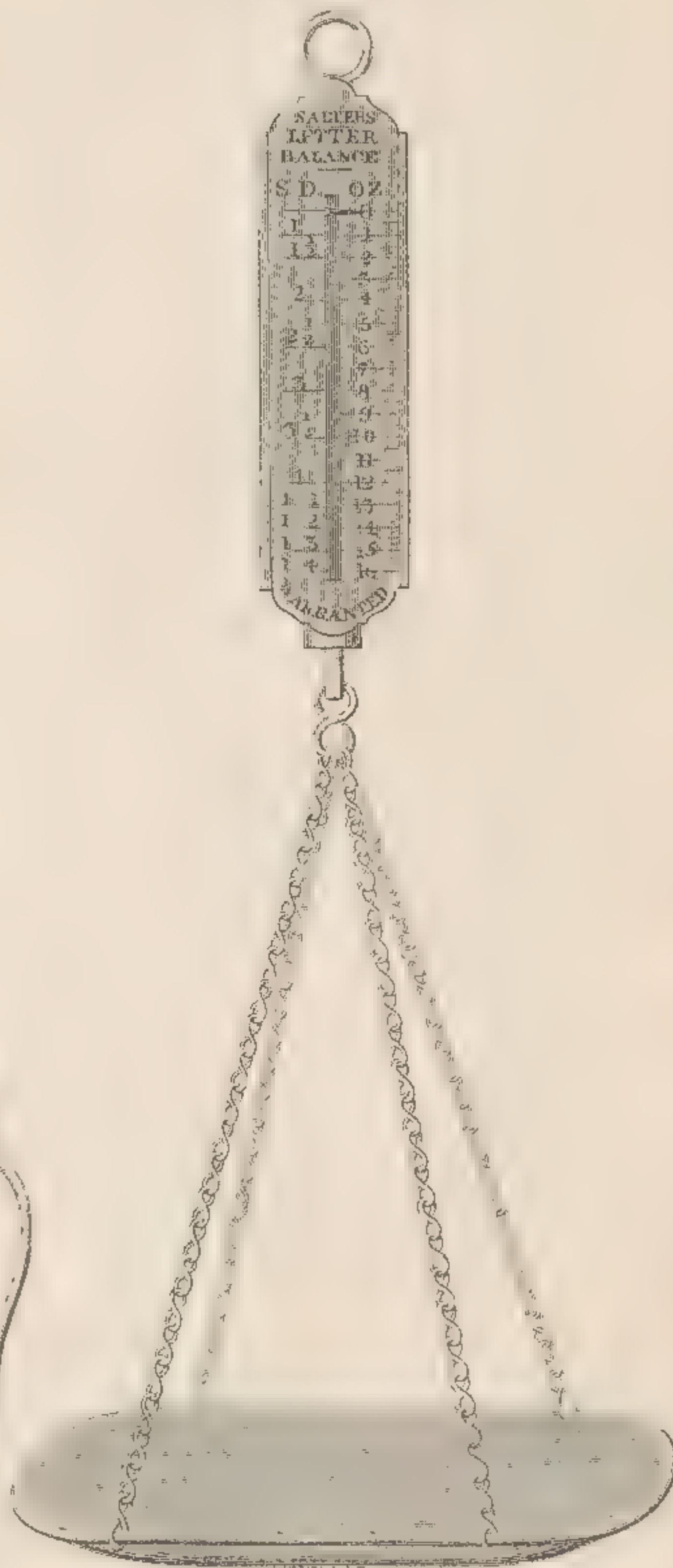
SPRING BALANCES,

for
Books & Parcels.

for
Patterns and Samples.



To weigh 3lb. x 1oz. 4/0 each.
 " 6— x 1— 6/6
 " 8— x 1— 7/6



To weigh 16oz., with 6in. Scale, 3/3 each.
 " 16— " 8— " 4/0 "

SPRING BALANCES AND GAUGES.

IMPROVED CIRCULAR
BALANCES.
BEST QUALITY.

TO WEIGH	WITH HOOK ONLY.	WITH HOOK AND TIN SCALE.
5lb. × ½ oz.	8/0 each.	8in. scale 9/3 each.
10 " "	10/0 "	10 " 11/9 "
15 " "	12/0 "	11 " 14/0 "
20 " "	16/0 "	11 " 18/0 "
<hr/>		
10lb. × 1oz.	8/0 each.	10in. scale 9/9 each.
20 " "	10/0 "	11 " 12/0 "
30 " "	12/0 "	11 " 14/0 "
40 " "	16/0 "	11 " 18/0 "
50 " "	20/0 "	11 " 22/0 "
60 " "	24/0 "	11 " 26/0 "
<hr/>		
20lb. × 2oz.	8/0 each.	11in. scale 10/0 each.
30 " "	9/0 "	11 " 11/0 "
40 " "	10/0 "	11 " 12/0 "
50 " "	13/0 "	11 " 15/0 "
60 " "	16/0 "	11 " 18/0 "
80 " "	21/0 "	12 " 23/0 "
100 " "	30/0 "	16 " 35/0 "
120 " "	36/0 "	16 " 41/0 "
<hr/>		
40lb. × ¼ lb.	8/0 each.	11in. scale 10/0 ea.
60 " "	10/0 "	11 " 12/0 "
80 " "	14/0 "	12 " 16/6 "
100 " "	18/0 "	14 " 21/0 "
120 " "	22/0 "	14 " 25/0 "
150 " "	30/0 "	18 " 41/0 "
160 " "	36/0 "	18 " 47/0 "
200 " "	48/0 "	20 " 60/0 "
224 " "	60/0 "	22 " 75/0 "
300 " "	96/0 "	24 " 114/0 "
<p>These large Scales have a strong Iron support underneath.</p>		
80lb. × ¼ lb.	12/6 each.	12in. scale 15/0 each
120 " "	18/0 "	14 " 21/0 "
160 " "	24/0 "	16 " 29/0 "
<hr/>		
120lb. × 1lb.	12/6 each.	14in. scale 15/6 each
160 " "	15/0 "	16 " 20/0 "

CIRCULAR BALANCES.
SECOND QUALITY,
Marked No. 2.

TO WEIGH	WITH HOOK ONLY.	WITH HOOK AND TIN SCALE.
10lb. × 1oz.	7/0 each.	10in. scale 8/6 each.
20 " "	9/0 "	11 " 10/9 "
30 " "	10/6 "	11 " 12/3 "
40 " "	13/6 "	11 " 15/3 "
50 " "	17/0 "	11 " 18/9 "
60 " "	20/0 "	11 " 21/9 "
<hr/>		
20lb. × 2oz.	7/0 each.	11in. scale 8/9 each.
30 " "	8/0 "	11 " 9/9 "
40 " "	9/0 "	11 " 10/9 "
50 " "	11/6 "	11 " 13/3 "
60 " "	13/6 "	11 " 15/3 "
<hr/>		
40lb. × ¼ lb.	7/0 each.	11in. scale 8/9 each.
60 " "	9/6 "	11 " 11/3 "
80 " "	12/6 "	12 " 15/0 "
100 " "	16/0 "	14 " 19/0 "
120 " "	20/0 "	14 " 23/0 "

The above are the ONLY sizes made
Second Quality.

Balances fitted with Scales, as below, are
charged these prices *extra to price with Hook.*

If with Iron Arms & 11in. round Scales 4/0 extra.

" " "	15in. oblong	" 6/0 "
" " "	16— "	" 6/6 "
" " "	18— "	" 7/0 "
" " "	12— square	" 4/6 "
" " "	14— "	" 5/0 "
" " "	20 × 14—semi-cir.	" 8/0 "
" " "	24 × 16— "	" 10/0 "

If with Chains & 15in. scoop Scale 5/0 "

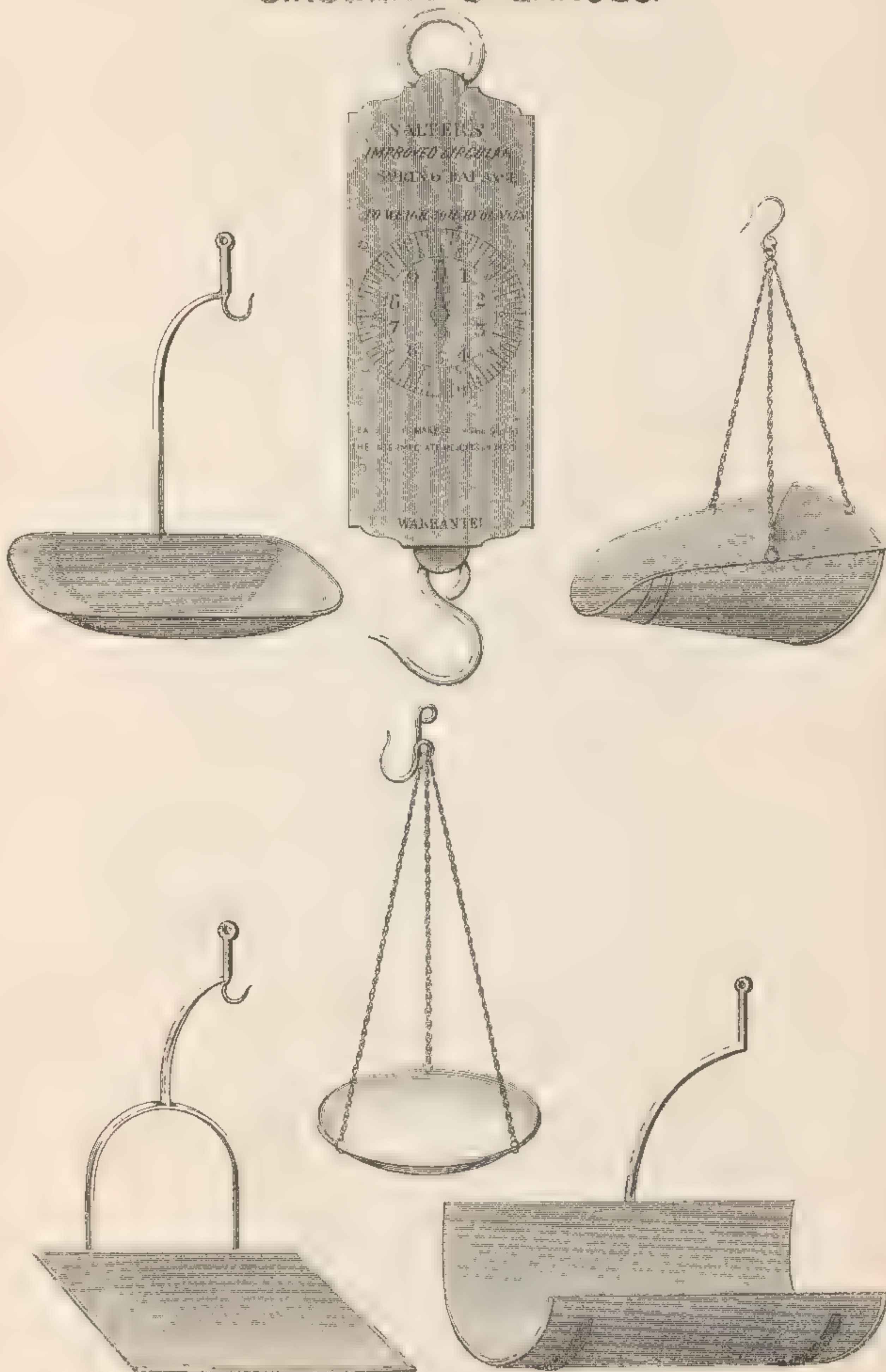
" " 19— " 7/0 "

To carry up to 60lbs.

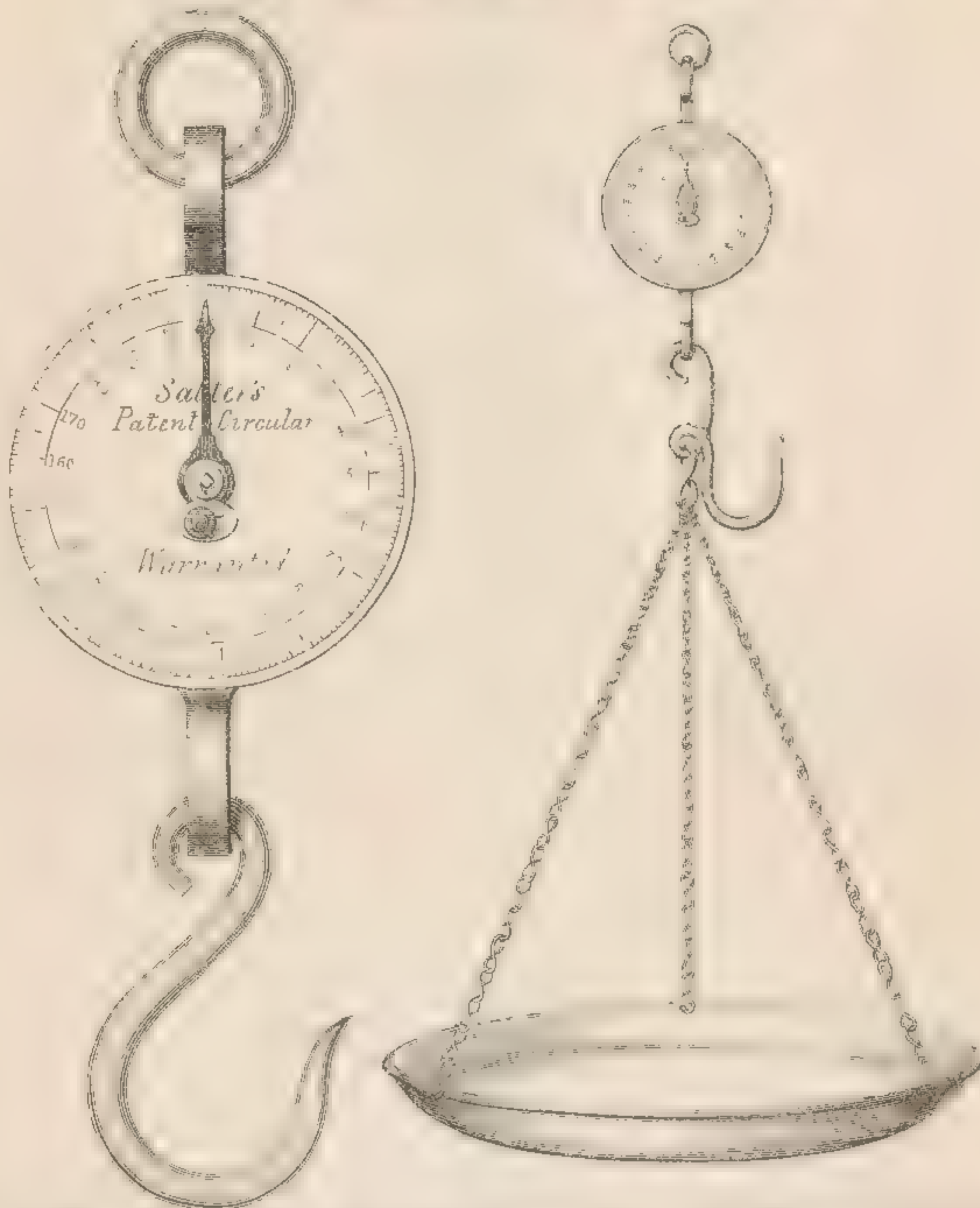
Strong Arms to carry from 60 to 120lbs.

1/3 extra.

CIRCULAR BALANCES.



PATENT CIRCULAR BALANCES.



To weigh	Diam. of Plates.	With Hook only.	To weigh	Diam. of Plates.	With Hook only.
200lbs x 1lb.	5-in. Circle	11/6 each.	50lbs. x 1lb.	5-in. Circle	11/6 each.
224— x 1—	6— "	13/6 "	56— x 1—	6— "	13/6 "
250— x 1—	8— "	15/0 "	100— x 1—	10— "	28/0 "
300— x 1—	8— "	19/0 "	100— x 1—	5— "	11/6 "
336— x 1—	9— "	22/0 "	112— x 1—	6— "	13/6 "
400— x 1—	10— "	28/0 "	150— x 1—	8— "	19/0 "
500— x 1—	13— "	38/0 "	200— x 1—	10— "	28/0 "
600— x 1—	15— "	50/0 "	250— x 1—	13— "	38/0 "
			300— x 1—	15— "	50/0 "
50 x 1lb., 11in. tin'd Scales & Chain, 13/6 ea			200 x 1lb., 18in. tin'd Scales & Chain, 22/6ea.		
56 x 1—	12— "	16/0 "	224 x 1—	20— "	25/6 "
100 x 1—	14— "	31/0 "	250 x 1—	22— "	30/0 "
100 x 1—	14— "	14/6 "	300 x 1—	24— "	37/0 "
112 x 1—	16— "	18/6 "	These heavy Weights have Strong Iron Supports underneath Scales		

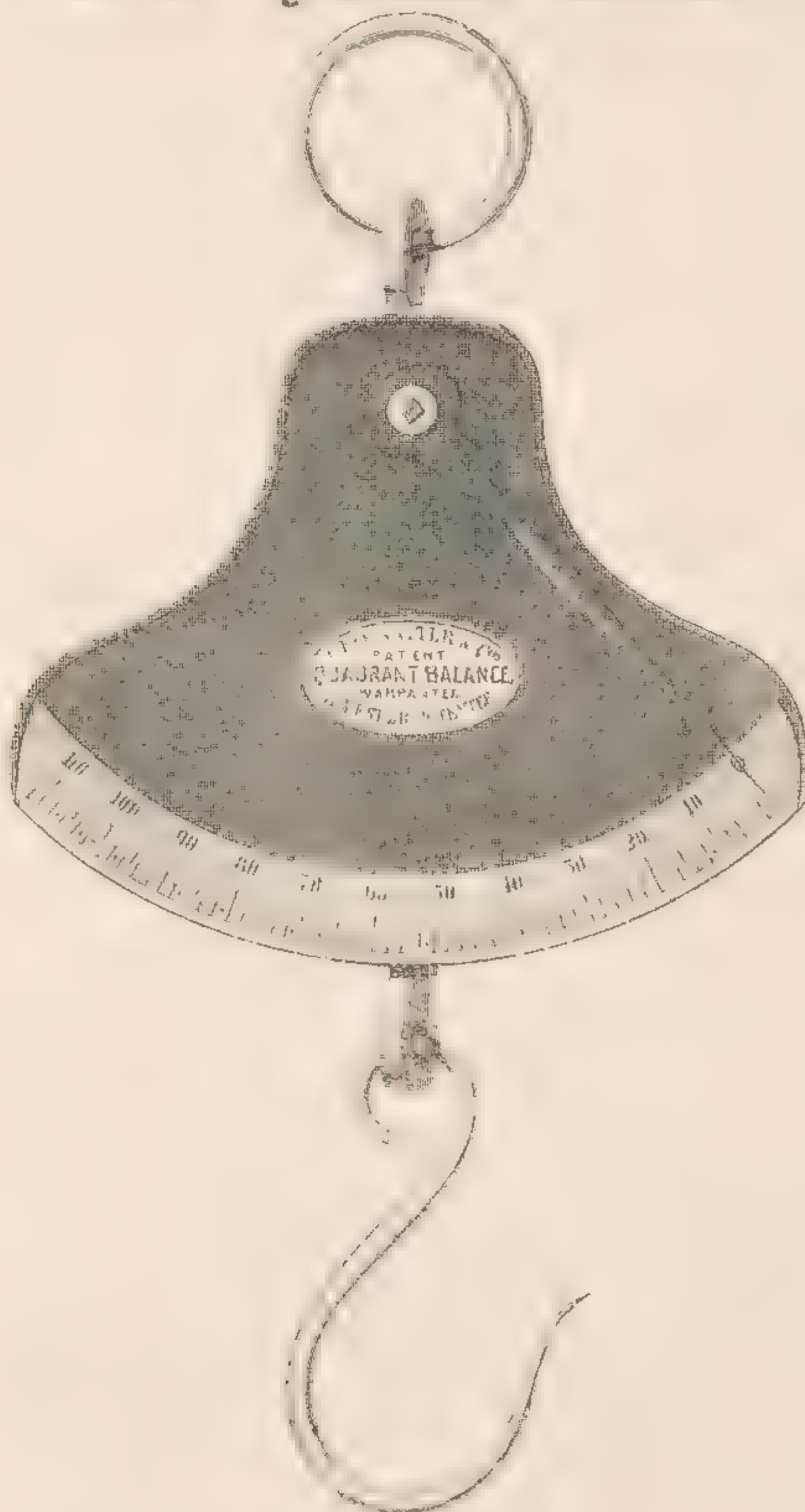
If made with White Enamelled Dials and Black Figures, extra price is for 5in. and 6in., 1/0 ; 8in. and 9in. 2/9, 10in., 3/0 ; 13in., 4/0 ; 15in., 5/0 each.

With Iron Frame and Cast Scale to fold up, to carry up to 300lbs., 9/6 each extra.

Ditto, ditto, ditto, 600lbs., 12/6 "

Any kind of Scale made and adjusted to order

PATENT QUADRANT BALANCE.

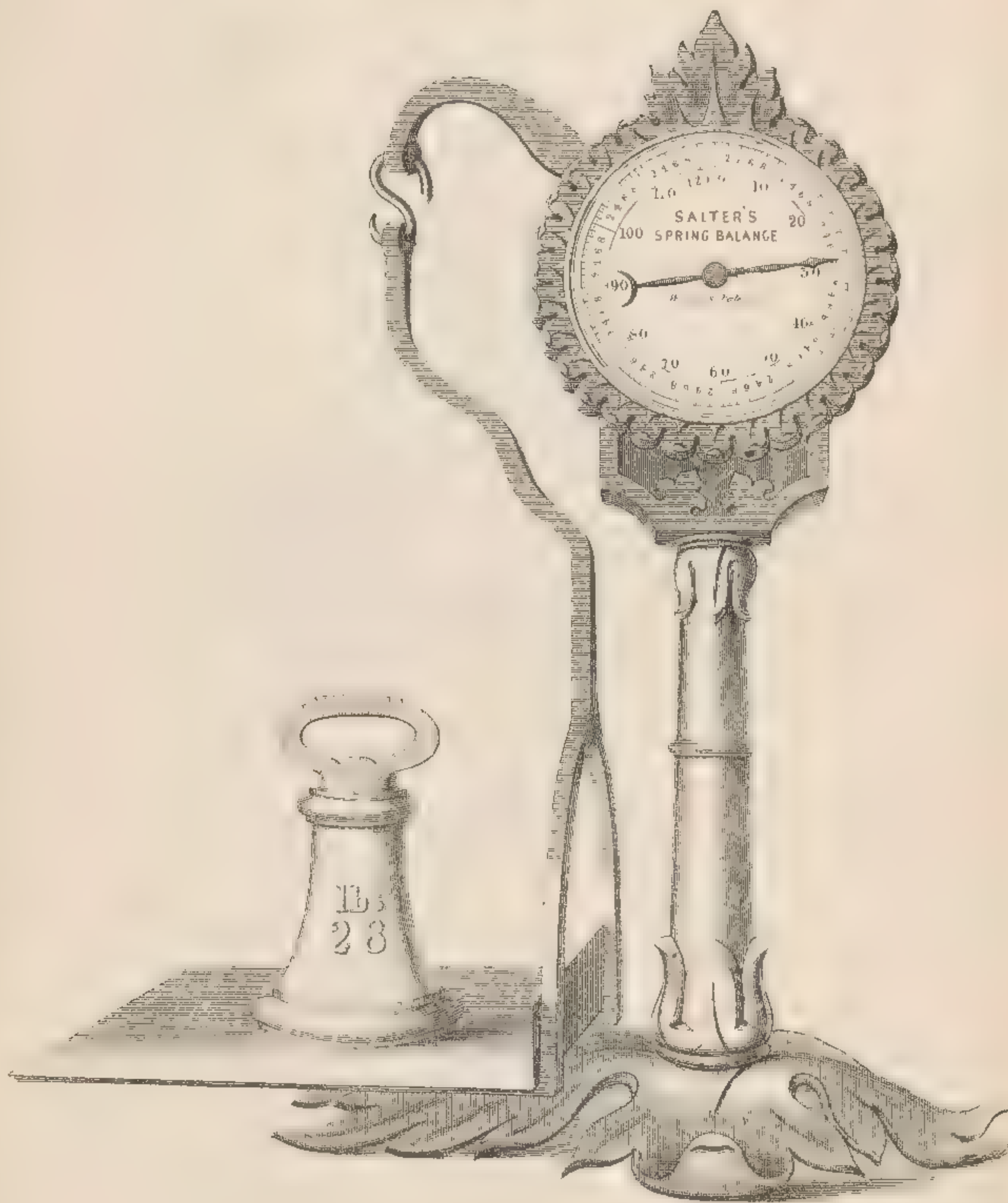


To weigh 7lbs x 1oz., with Hook only, 57/- 6 doz., with 8in. Scale and Chains, 70/- 6 doz.

" 14— x 2—	"	" 57/-	"	" 9—	"	" 72/-	"
" 28— x 4lb.,	"	" 60/-	"	" 10—	"	" 78/-	"
" 56— x 4—	"	" 60/-	"	" 12—	"	" 90/-	"
" 112— x 1—	"	" 66/-	"	" 14—	"	" 102/-	"
" 200— x 2—	"	" 78/-	"	" 16—	"	" 138/-	"

Drawn Half Size.

PATENT
SPRING COUNTER BALANCE.

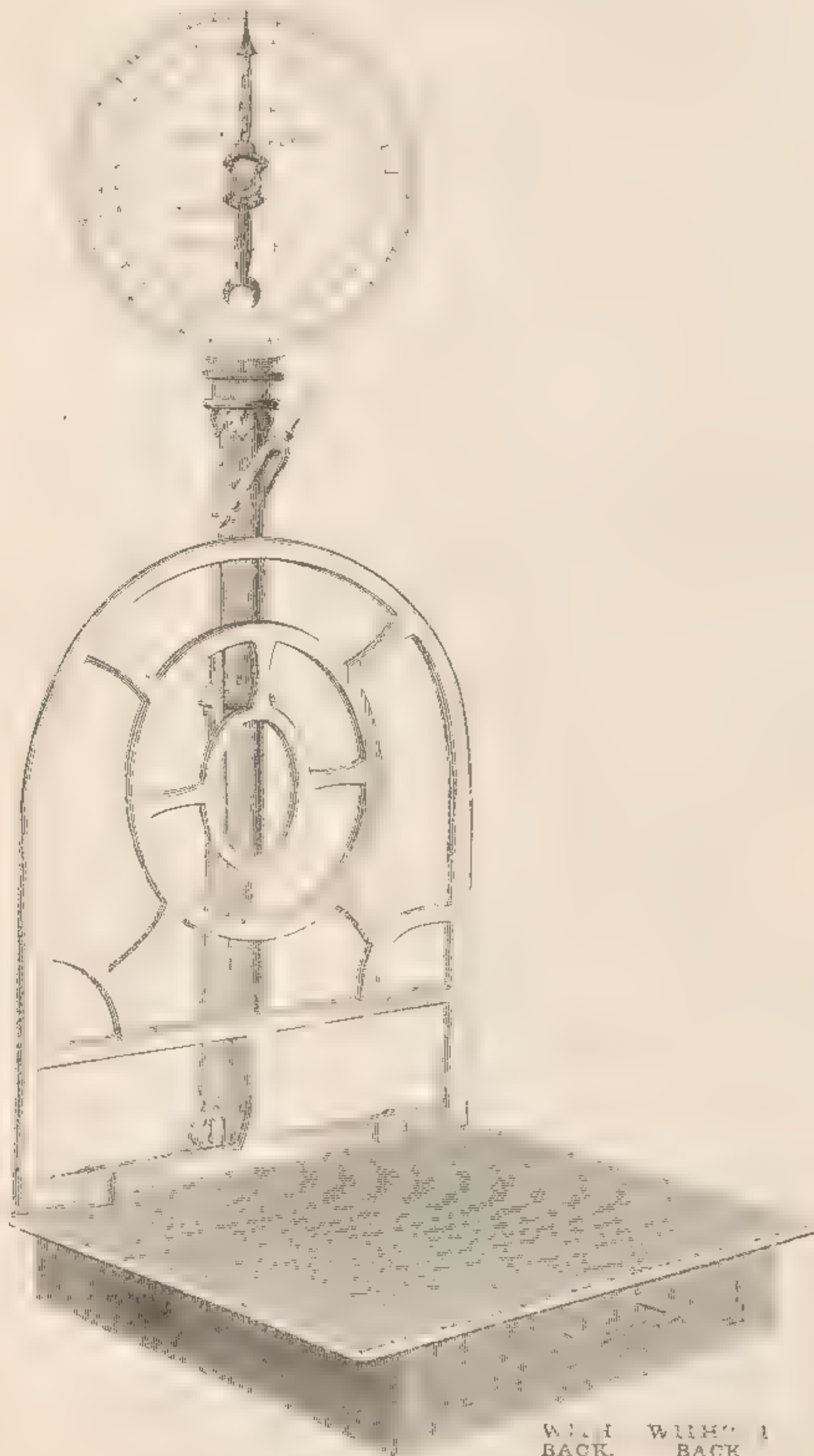


To weigh 15lbs. x 1oz.,	...	...	...	...	32/- each.
" 30 - x 2 -	...	...	...	...	35/- "
" 60 - x ½ lb.	...	...	...	...	39/- "
" 120 - x ¼ -	...	...	...	...	52/- "

Same price if made with oblong Scale.

Drawn ½th the size.

PLATFORM MACHINE.



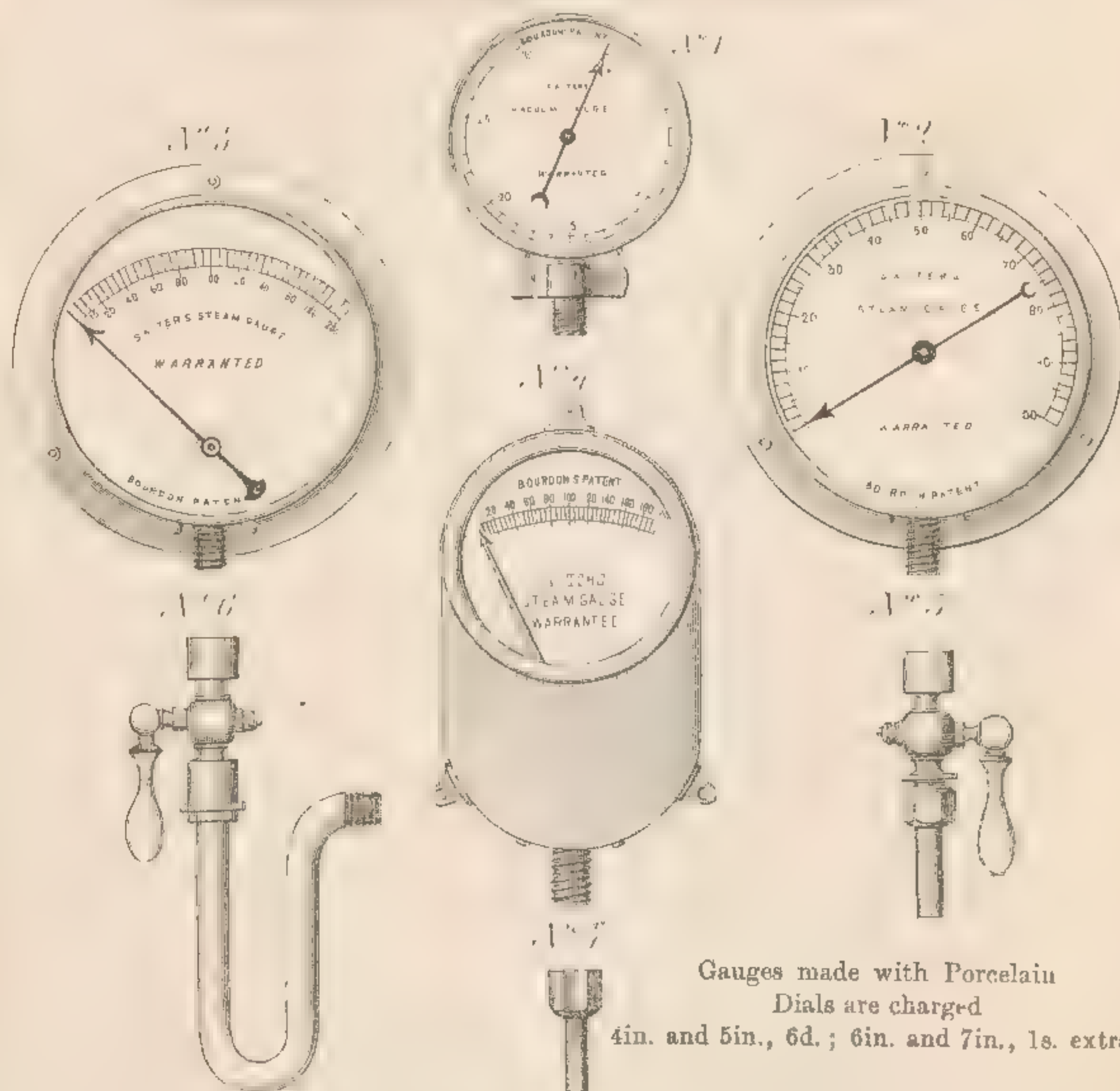
		WITH BACK.	WITH BACK
3 Cwt. x 1lb. with 24 x 20in. Scale		100/-	90 - each.
3 " x $\frac{1}{2}$ — " 24 x 20— "		115/-	105/- "
5 " x 1— " 28 x 24— "		140/-	130/- "
10 " x 2— " 36 x 30— "		180/-	170/- "

If fitted with Wheels, 8/- extra.

If with Enamelled Dials and Plate Glass Cover, 26/- extra.

If with Double Index, one figured by 10lb., the other by $\frac{1}{2}$ cwt., 7/6 extra

SALTER'S BOURDON GAUGE.



Gauges made with Porcelain
Dials are charged
4in. and 5in., 6d.; 6in. and 7in., 1s. extra

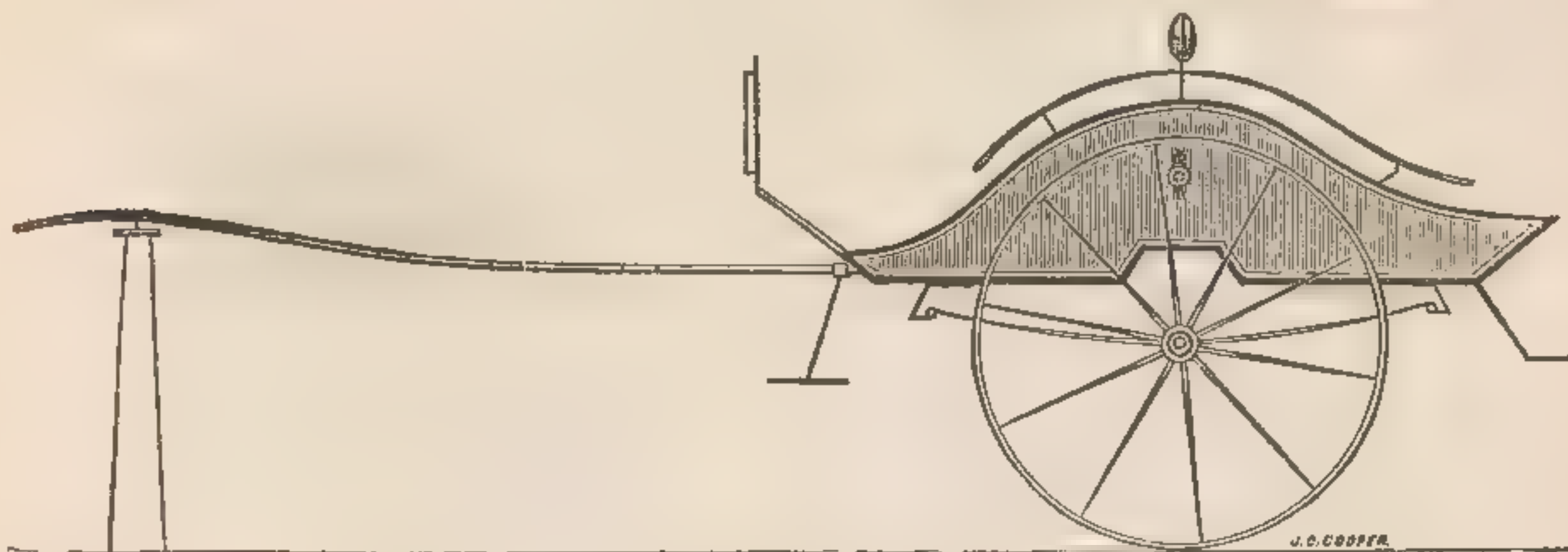
						BRASS CASE.	IRON CASE
No. 1.	3inch Gauge, without Flange, with Central Hand, without Cock, any pressure up to 100lbs.	...	...	...	...	19/-	18/- each.
"	4inch " " " 120lbs.	...	...	...	...	20/-	19/- "
"	5 " " " 120—	...	...	...	...	23/-	21/- "
"	6 " " " 150—	...	...	...	...	28/-	26 - "
"	5 " Vacuum Gauge	...	...	...	...	23/-	21 - "
"	6 " " "	...	...	...	...	28/-	26 - "
No. 2.	6inch Gauge, with Flange and Central Hand, any pressure up to 200lbs.	...	...	...	...	30/-	28/- "
"	7inch " " " "	...	...	...	...	34/-	31/- "
"	8 " " " " "	...	...	...	...	40/-	" "
"	9 " " " " "	...	...	...	...	50/-	" "
"	10 " " " " "	...	...	...	...	60/-	" "
"	6 " Vacuum	...	...	...	...	30 -	28,- "
"	7 " " "	...	...	...	...	34 -	31 - "
No. 3.	6 " Gauge, Eccentric Hand	...	...	...	...	30 -	28 - "
"	7 " " "	...	...	...	...	34 -	31,- "
No. 4.	8 " Oblong Gauge, with Case 8 x 5in., any pressure up to 200lbs.	...	...	...	...	35/-	28 - "
No. 5.	Gun Metal Cocks to fit above	...	...	...	...	4/- each extra.	
No. 6.	" and Iron Syphon	...	...	...	...	4/-	"
No. 7.	Brass Connecting Joint	...	...	...	...	1/-	"
	Brass Wire Cover (or Guard) for 3 or 4in. Gauges	...	...	...	...	1 6	"

These Gauges are warranted for Two Years, if properly fixed, and their accuracy may be relied upon.

Compound Pressure and Vacuum Gauges, 2/6 each extra.

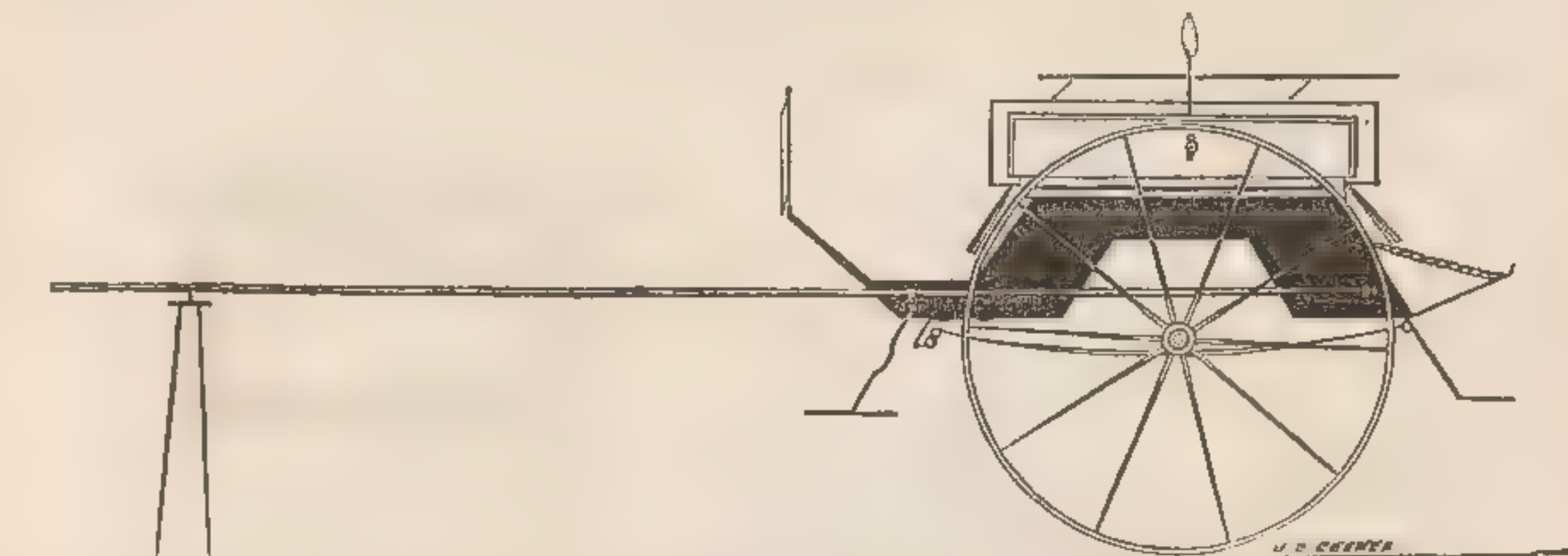
Bourdon Gauges made with Double Dials, 5/- each extra.

CARRIAGES.



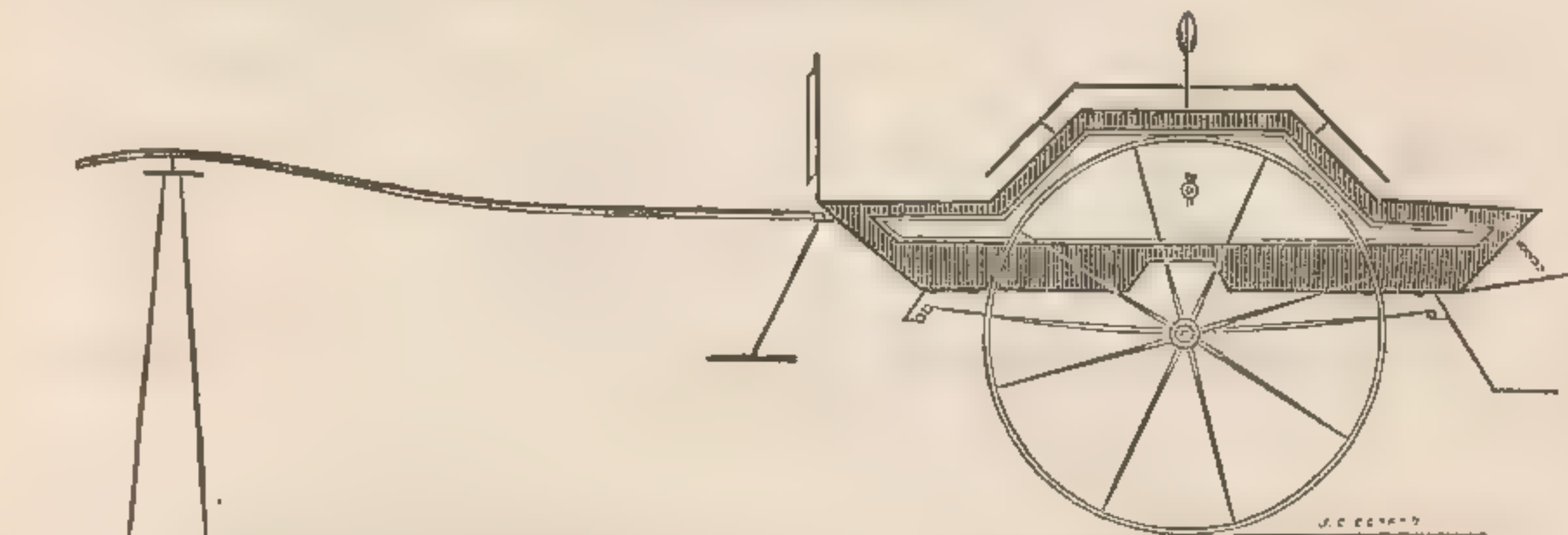
No. 1.

VILLAGE CAR.



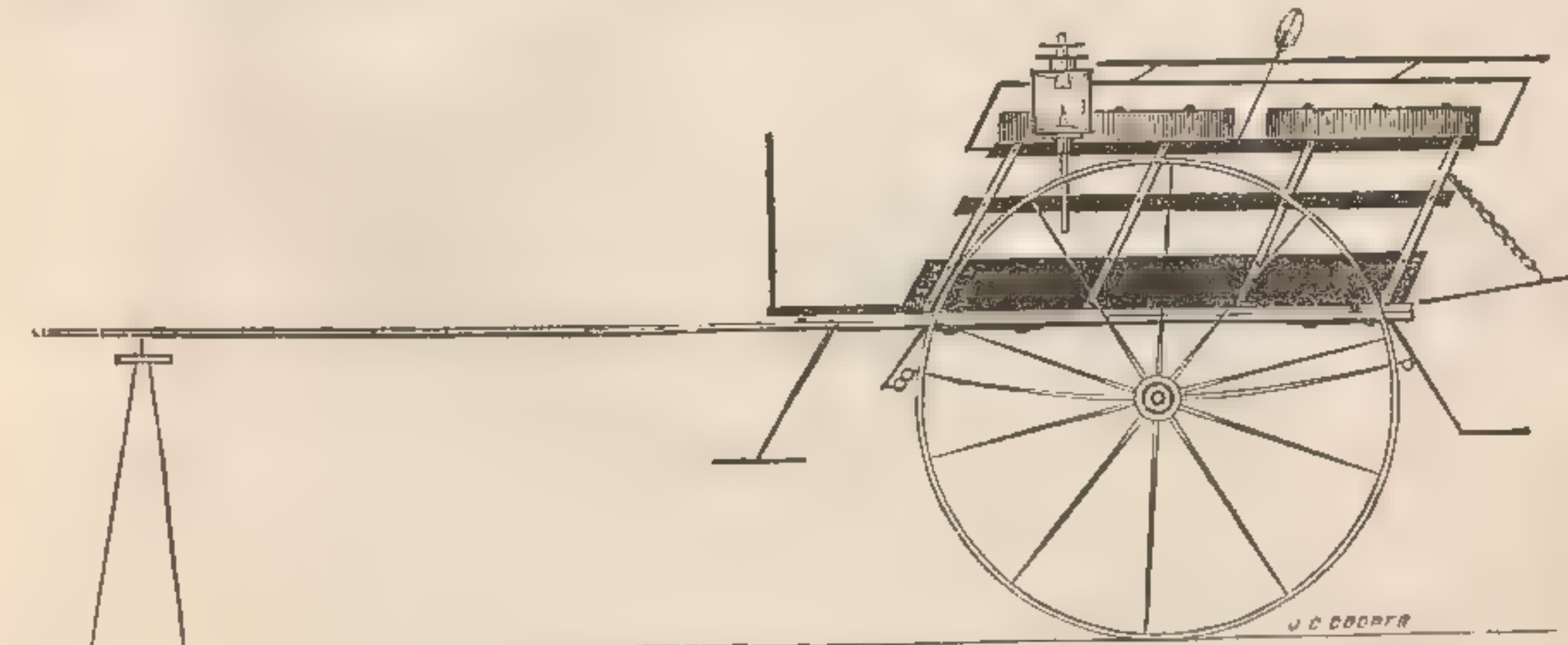
No. 2.

LORNE CAR.



No. 3.

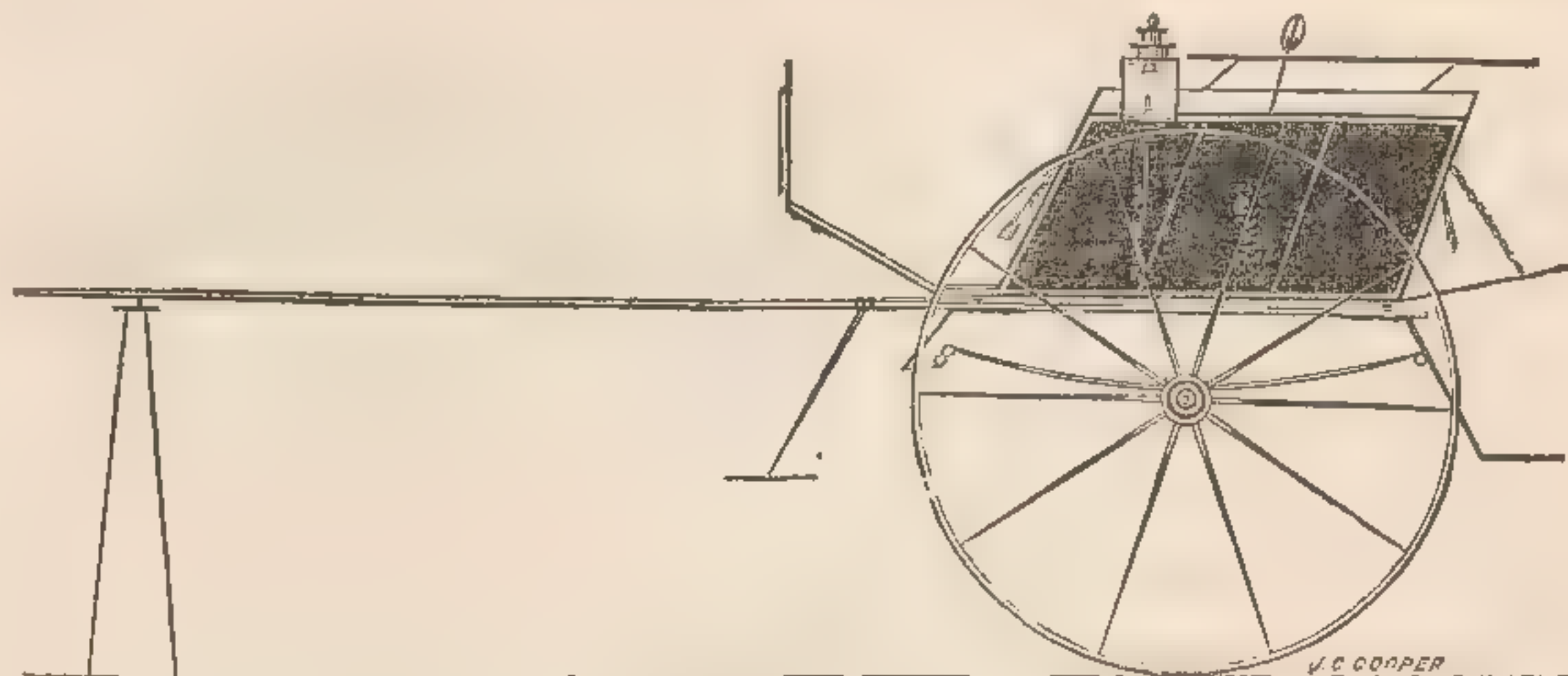
NORWICH CAR.



No. 4.

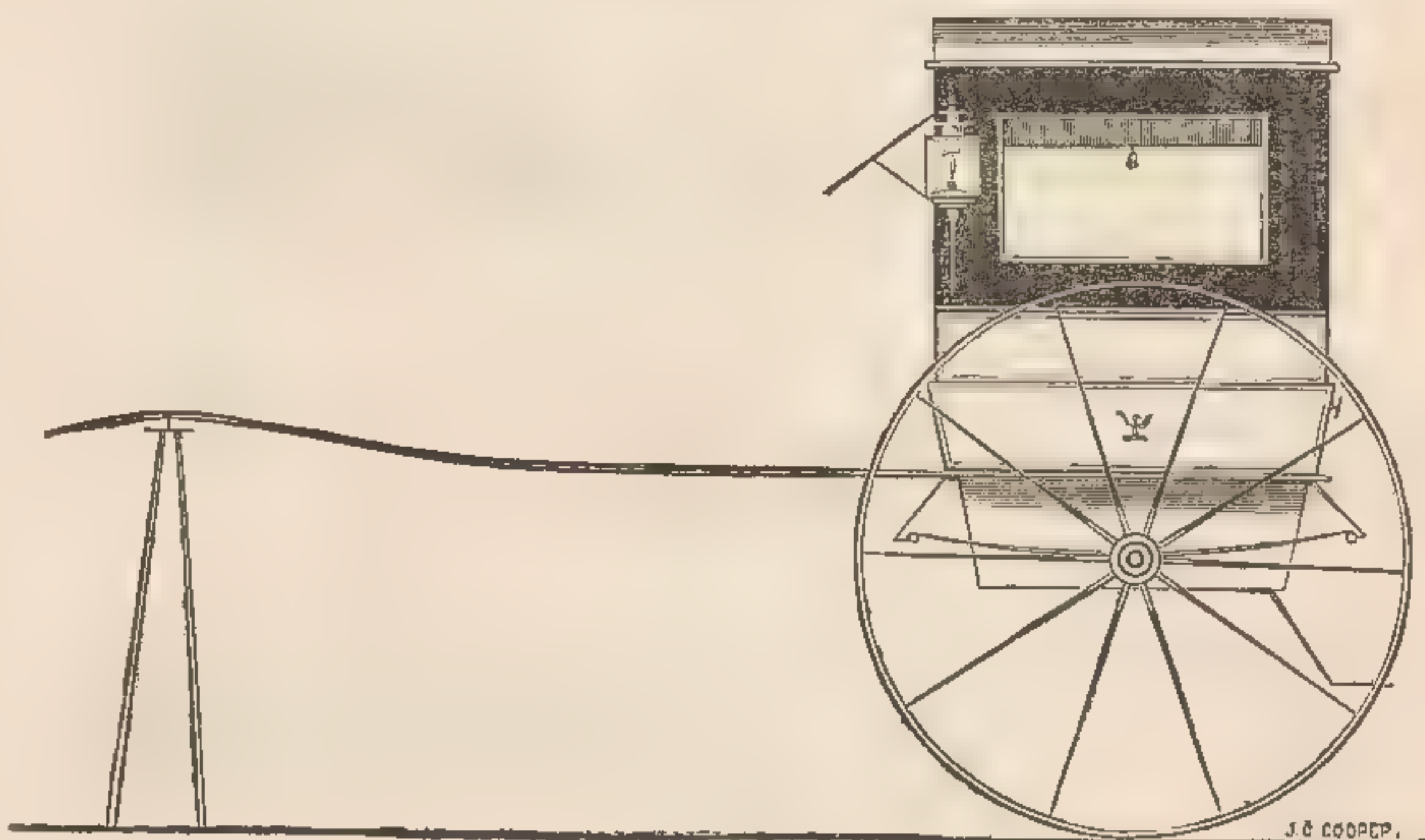
NORFOLK GAME OR BAGGAGE CART.

CARRIAGES (continued).



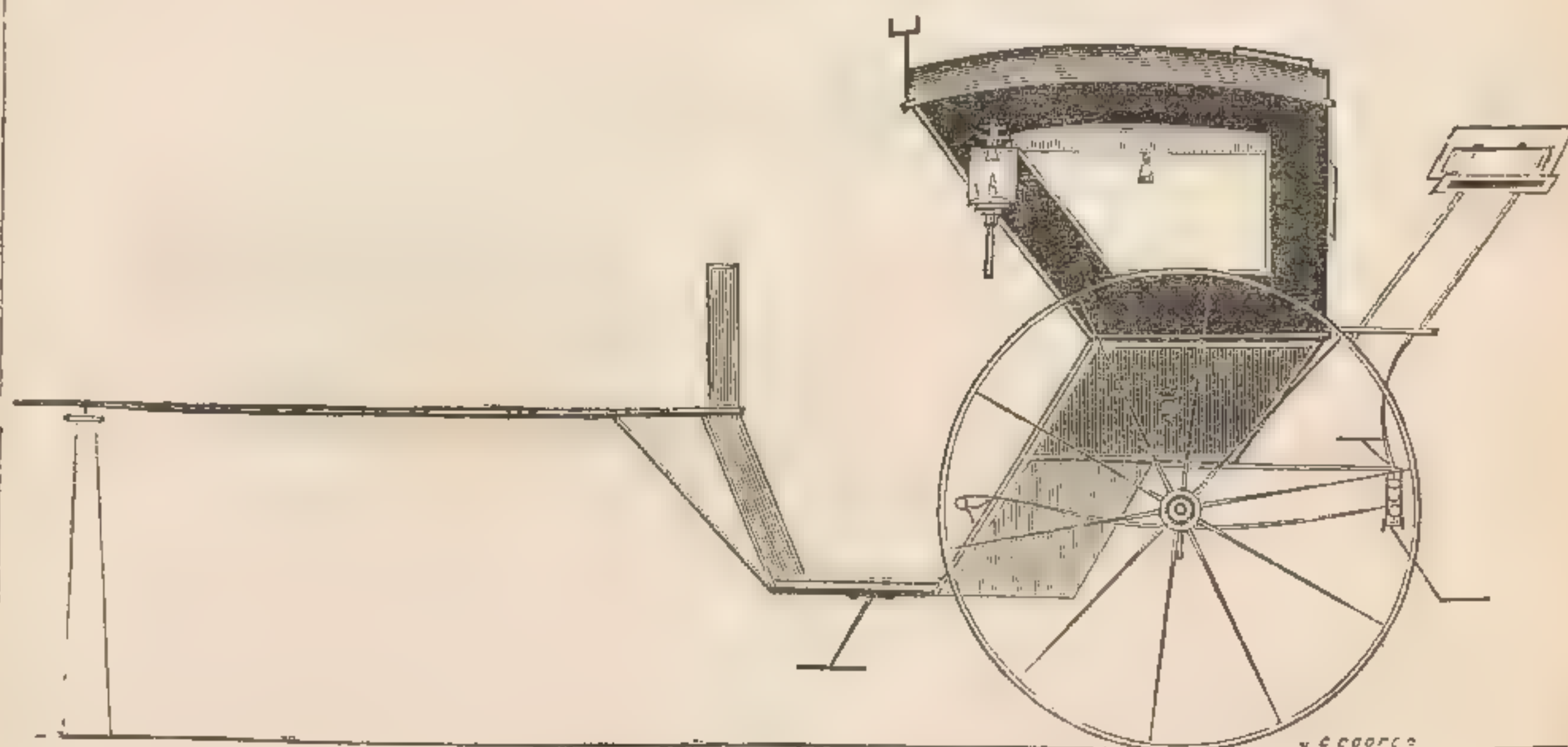
No. 5.

ESSEX CART.



No. 6.

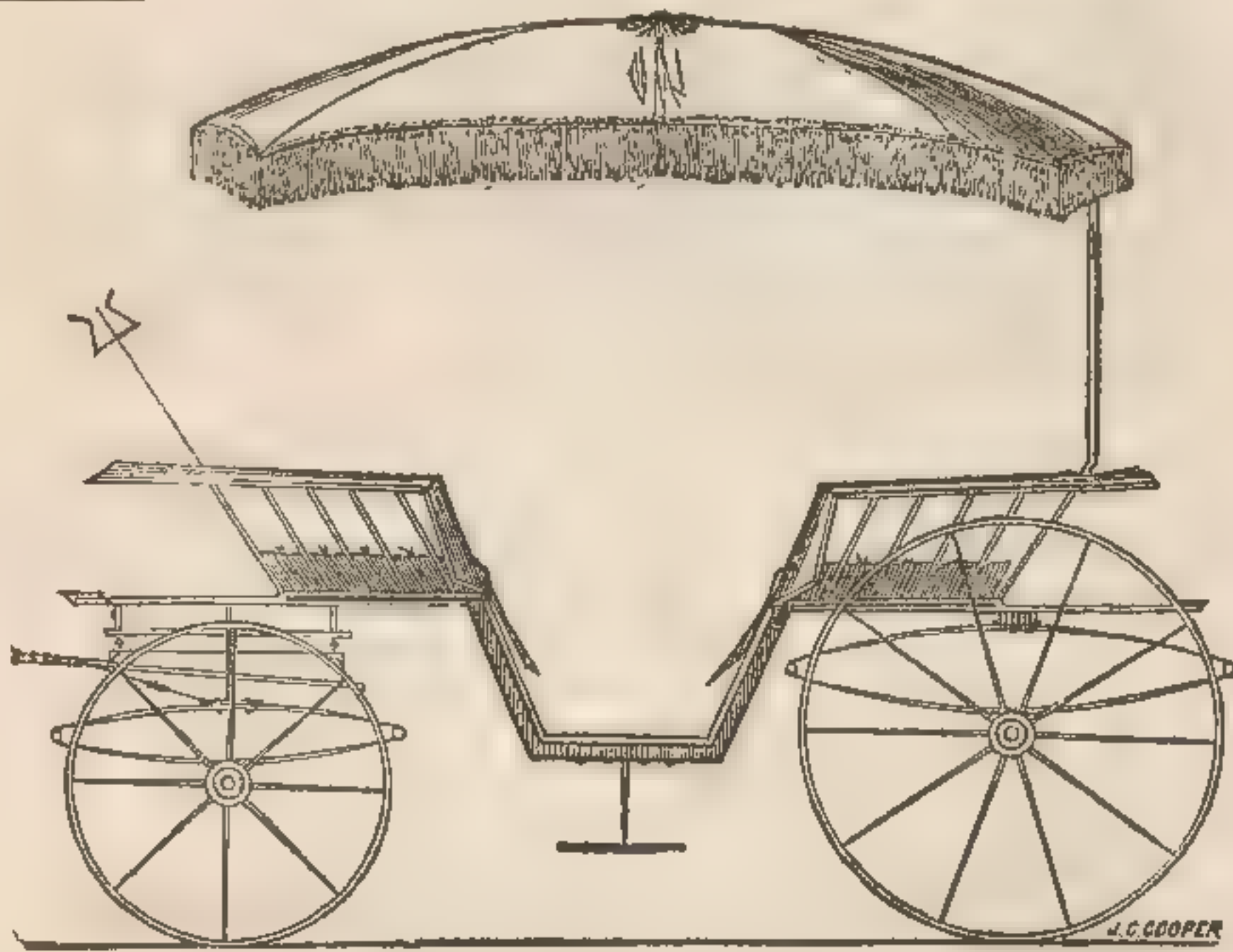
DUOBUS.



No. 7.

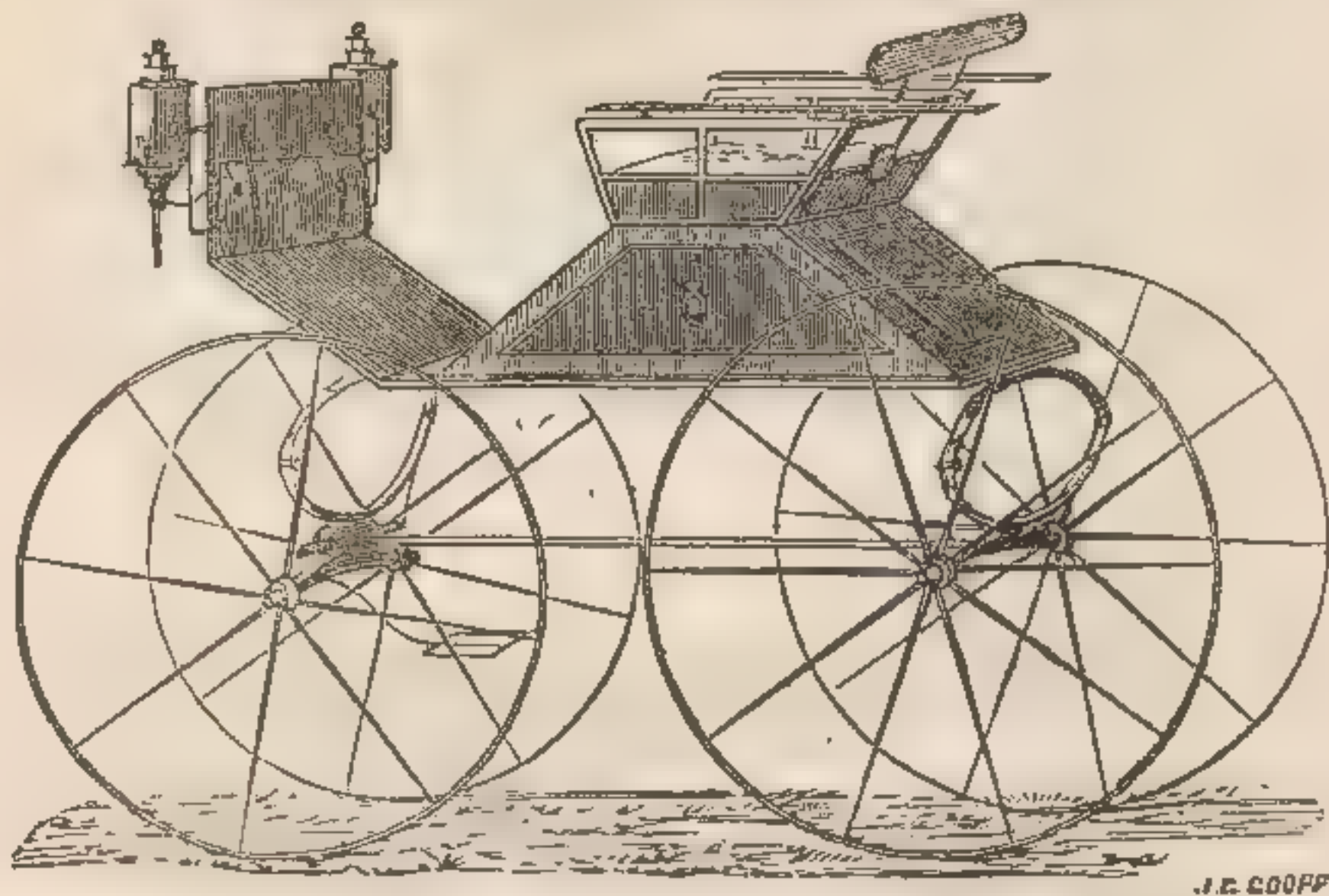
PRIVATE HANSOM.

CARRIAGES (continued).



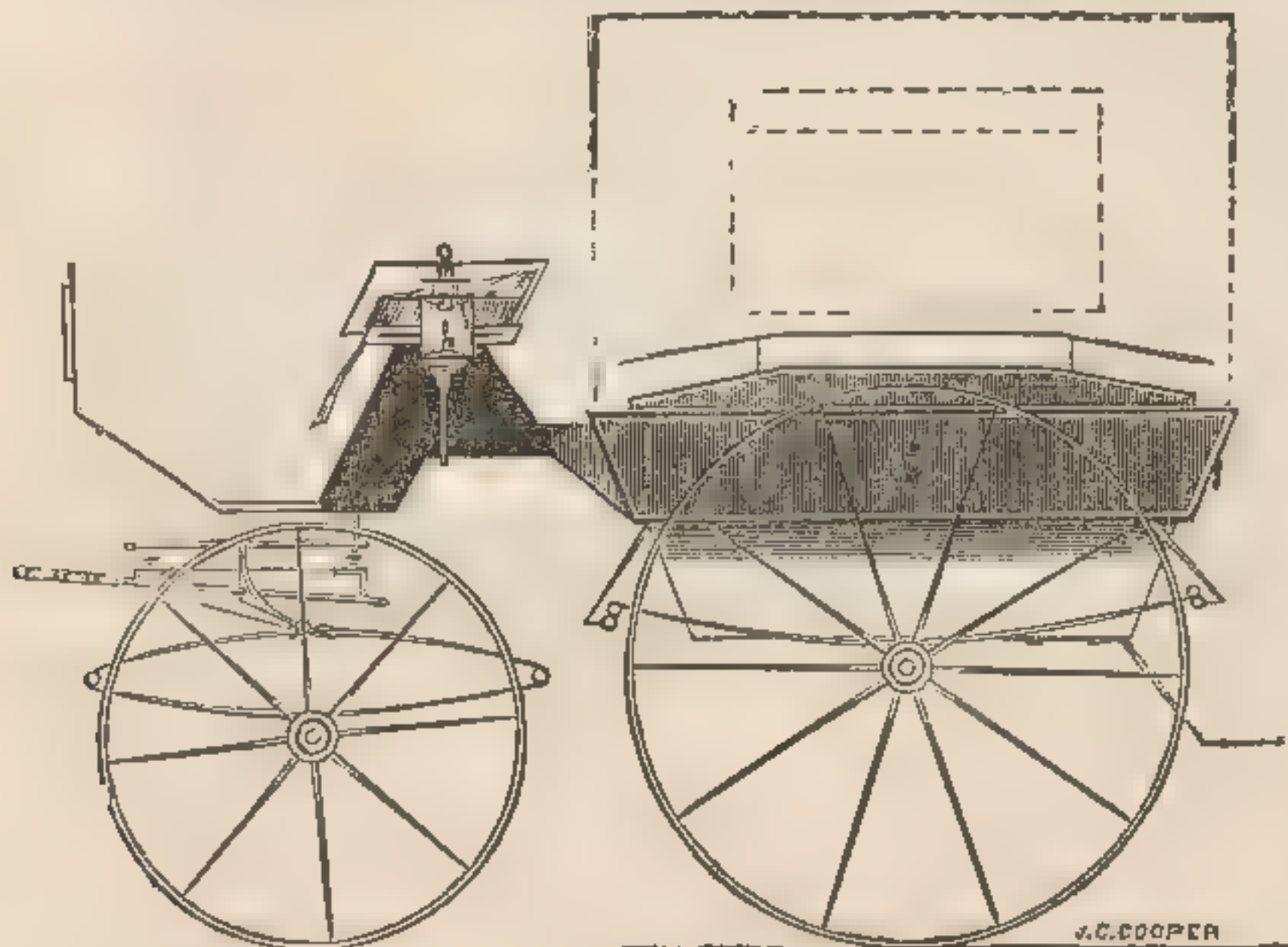
No. 8.

PARISIAN VIS-À-VIS PHAETON.



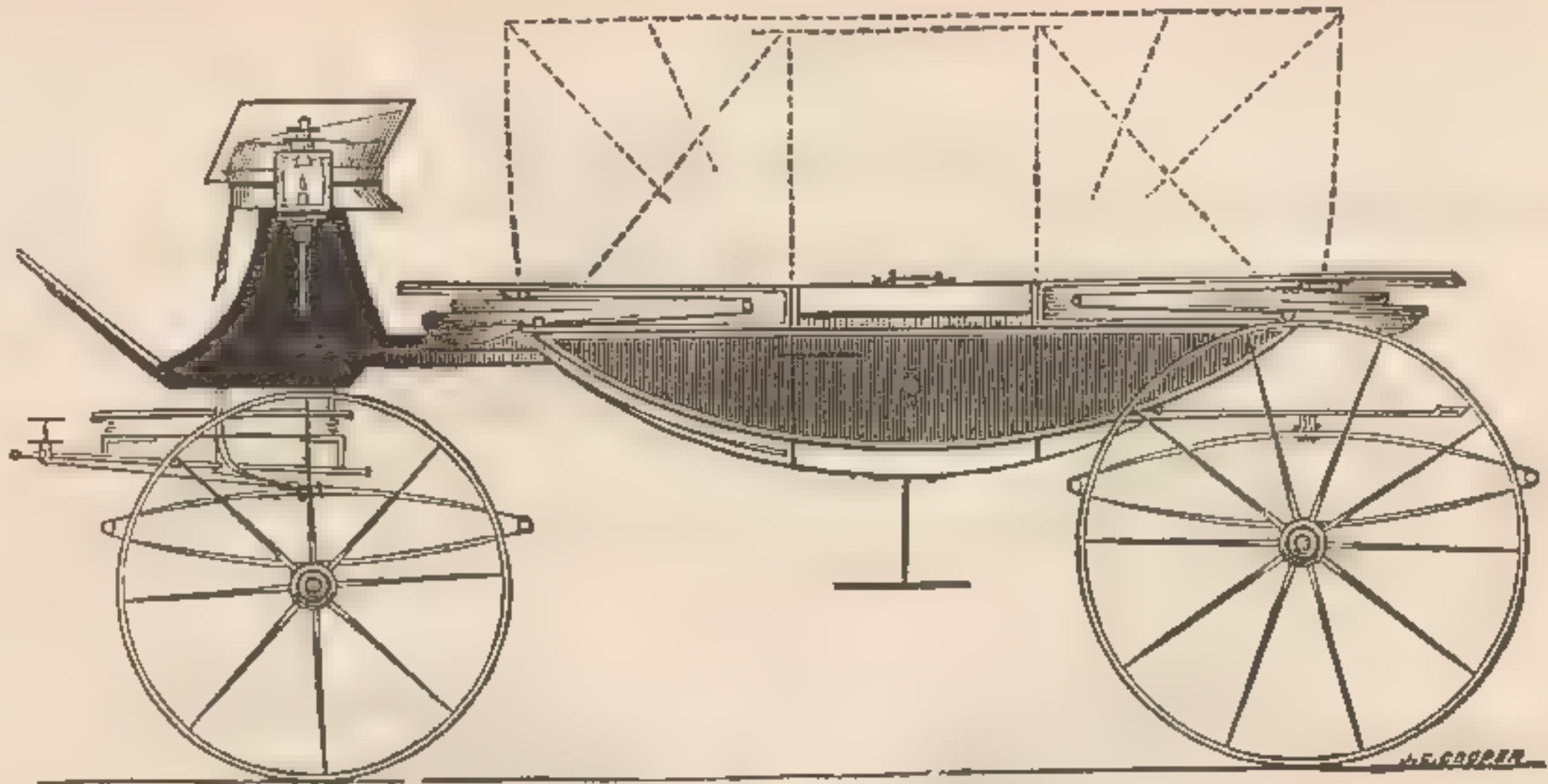
No. 9.

AMERICAN TROTTING WAGON.



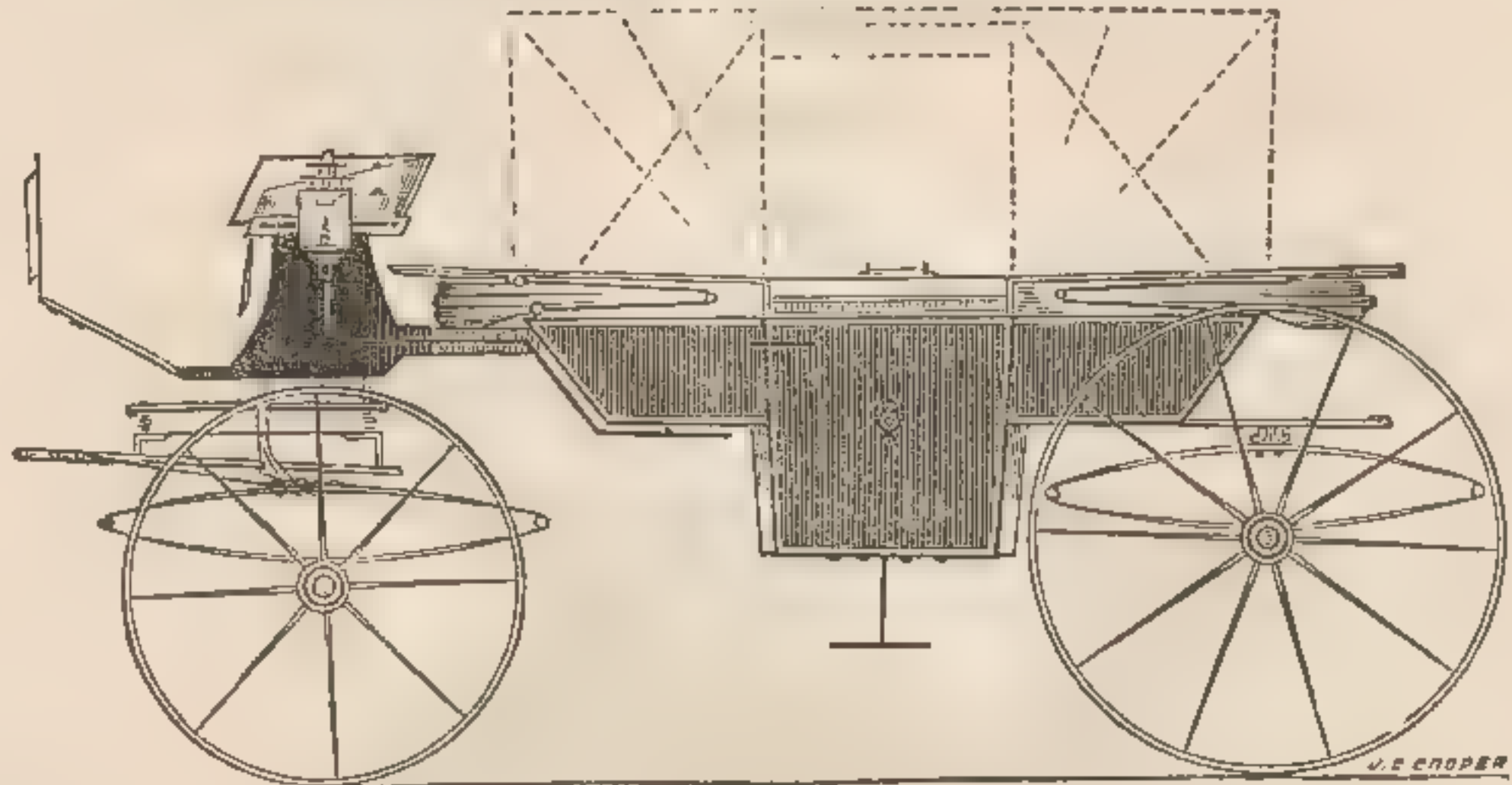
No. 10.

MINIBUS.



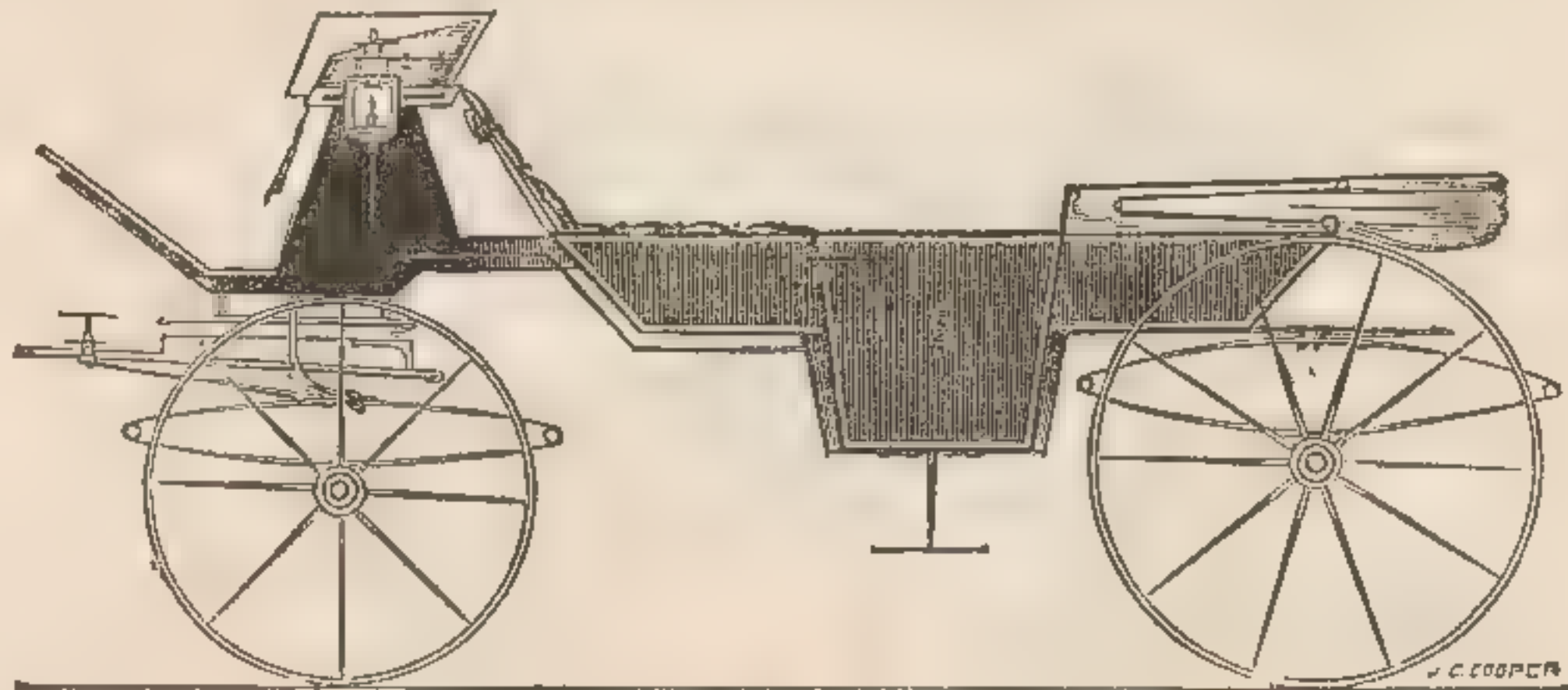
No. 11.

SEFTON LANDAU.



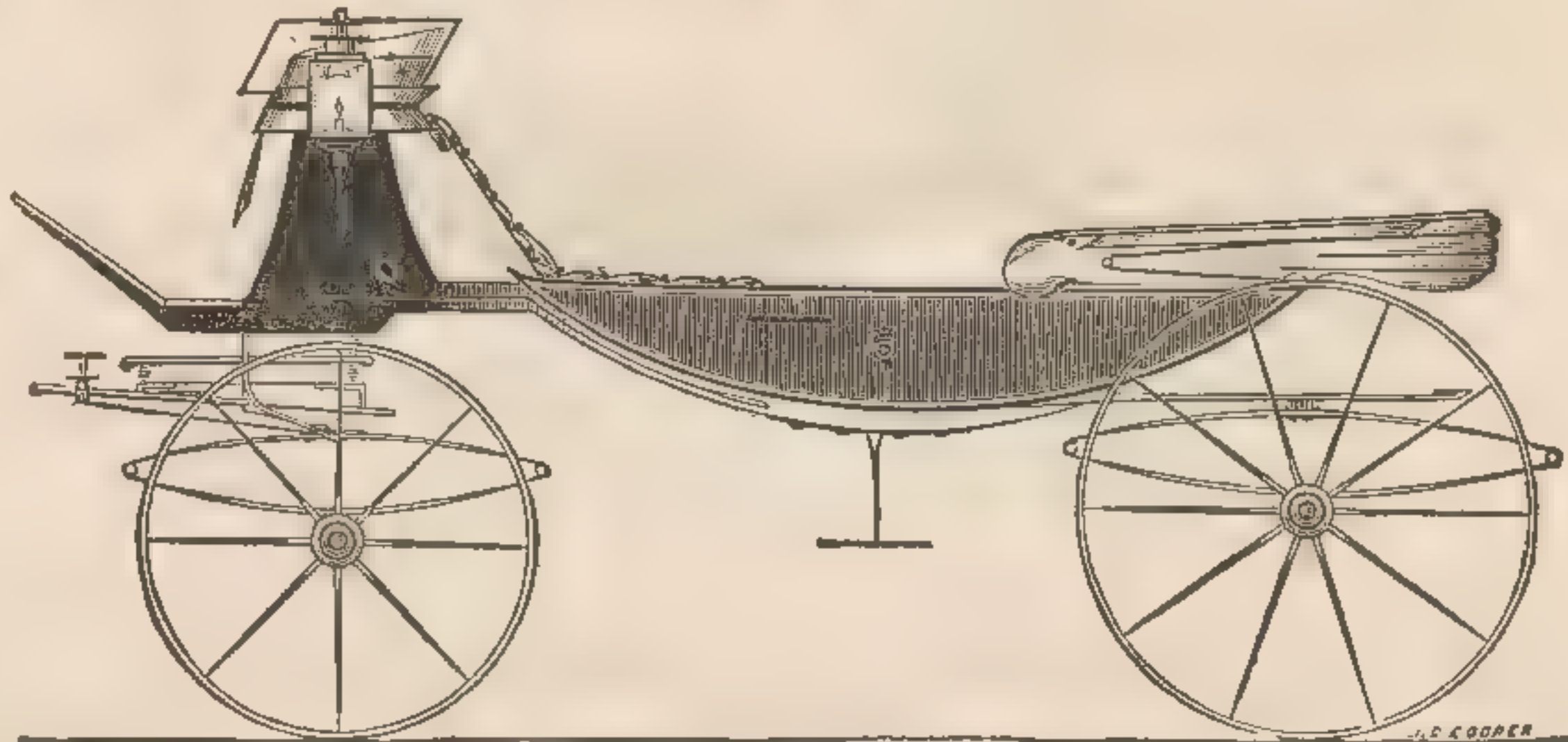
No. 12.

MINIATURE ANGULAR LANDAU.



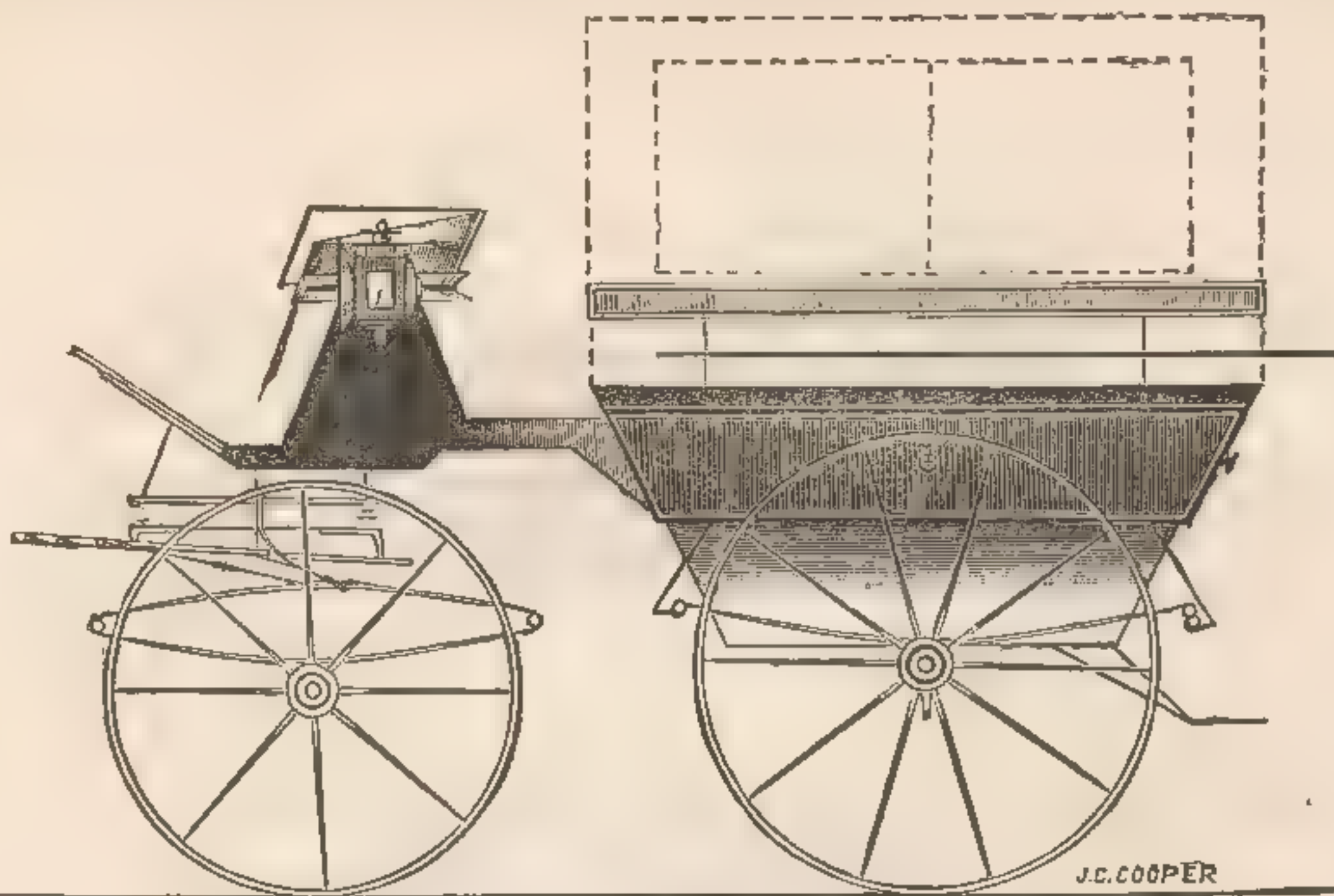
No. 13.

ANGULAR SOCIABLE.



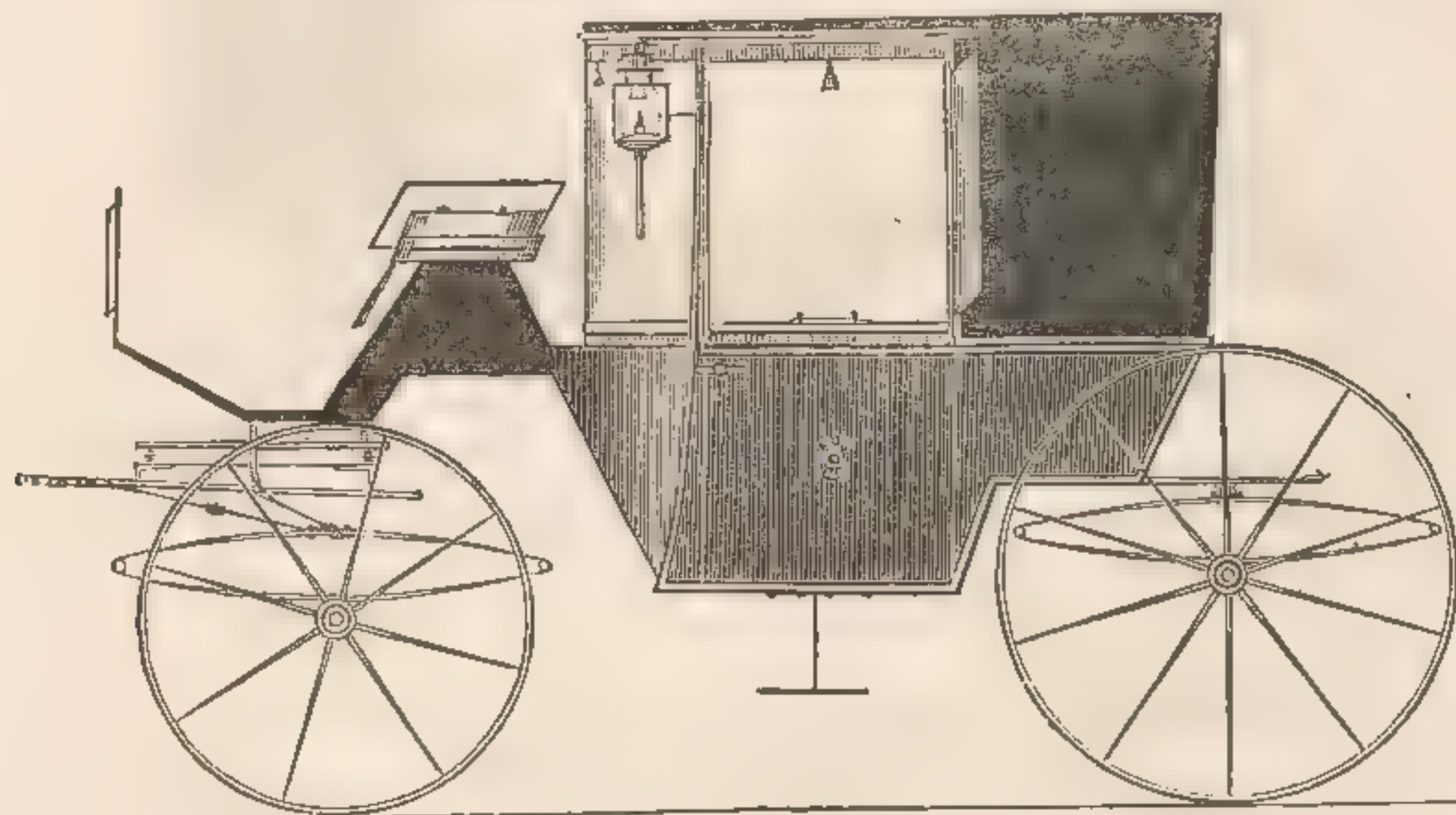
No. 14.

TOWN BAROUCHE.



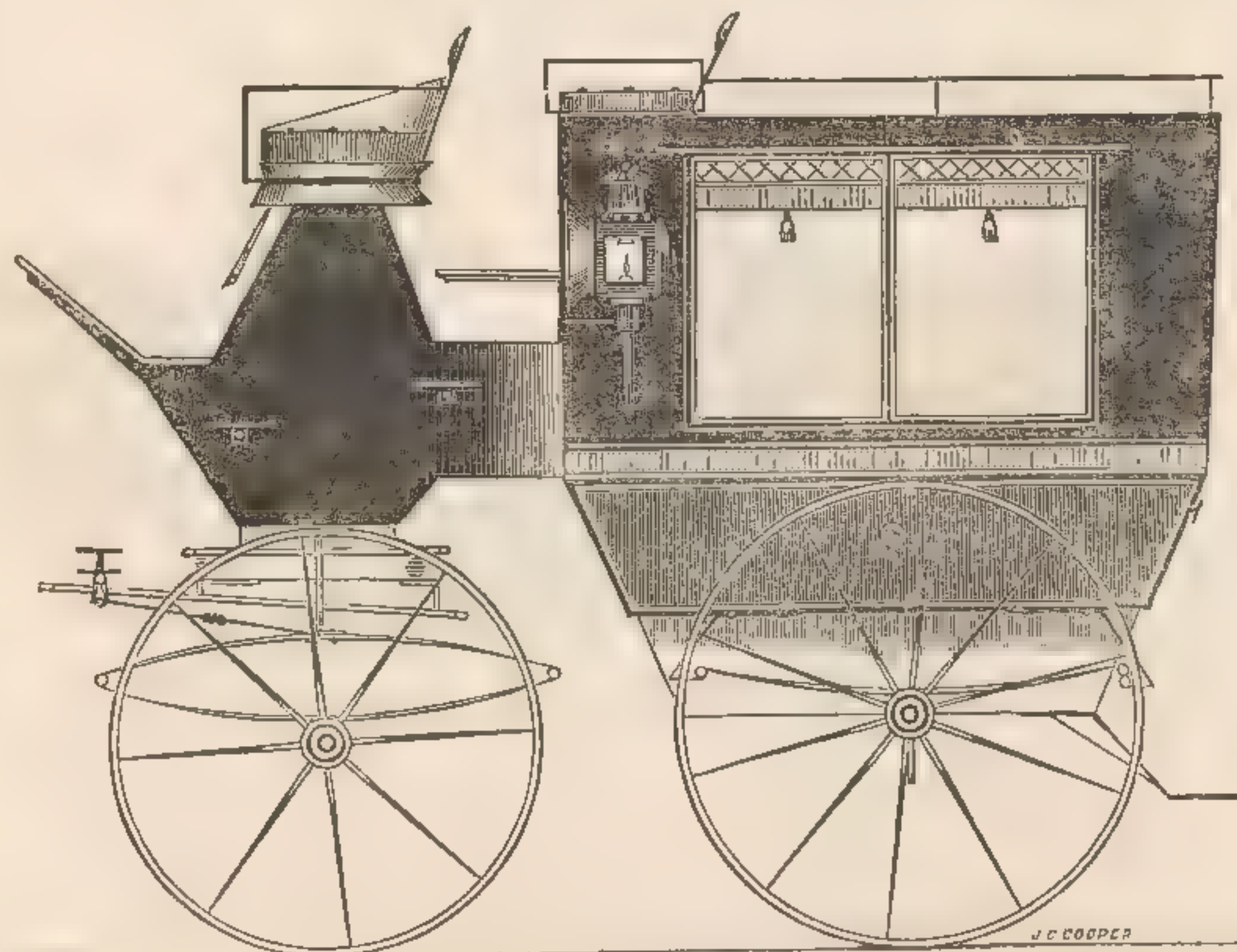
No. 15.

WAGGONETTE OMNIBUS.



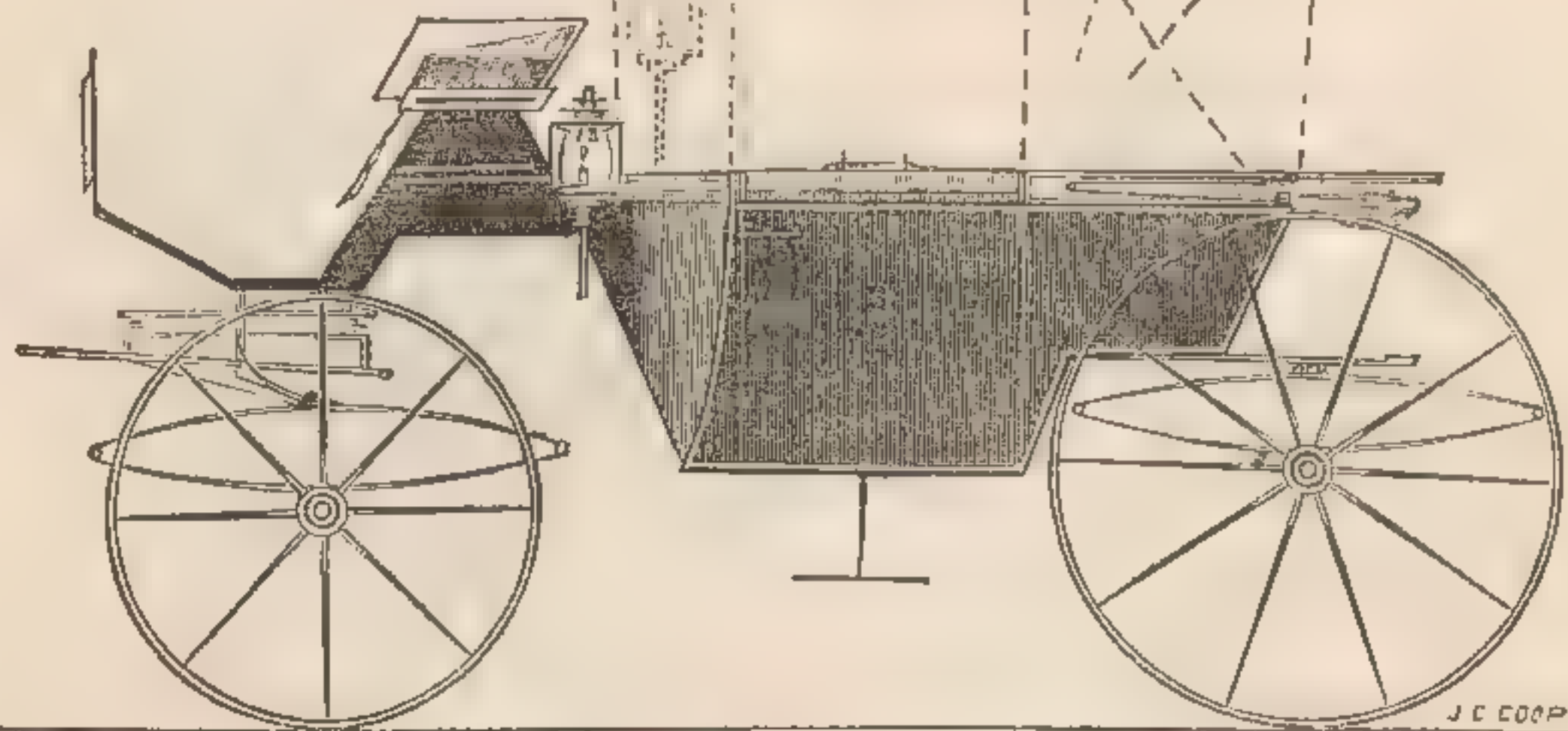
No. 16.

CIRCULAR OR ANGULAR FRONT BROUGHAM.



No. 17.

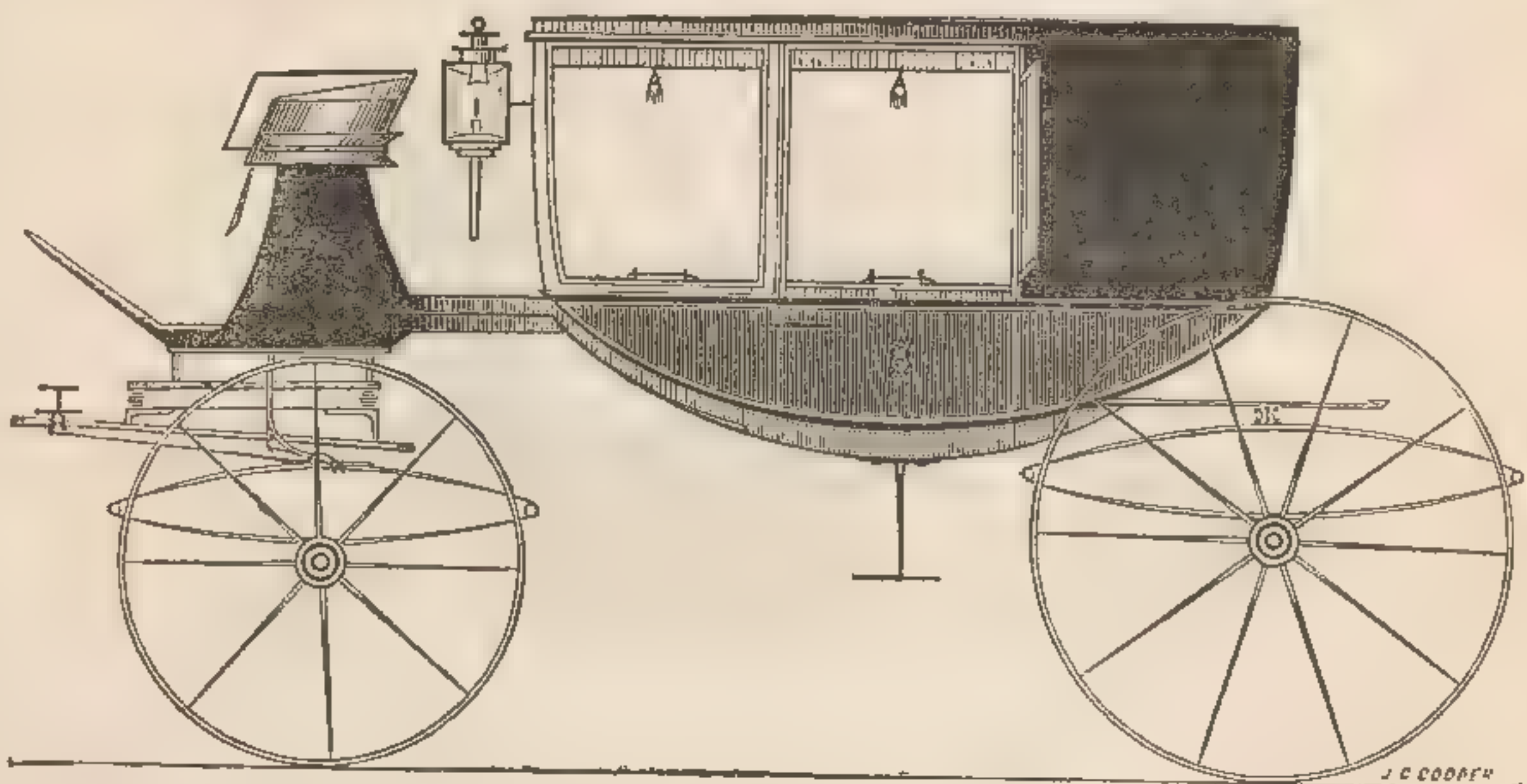
PRIVATE OMNIBUS.



J. C. COOPER

No. 18.

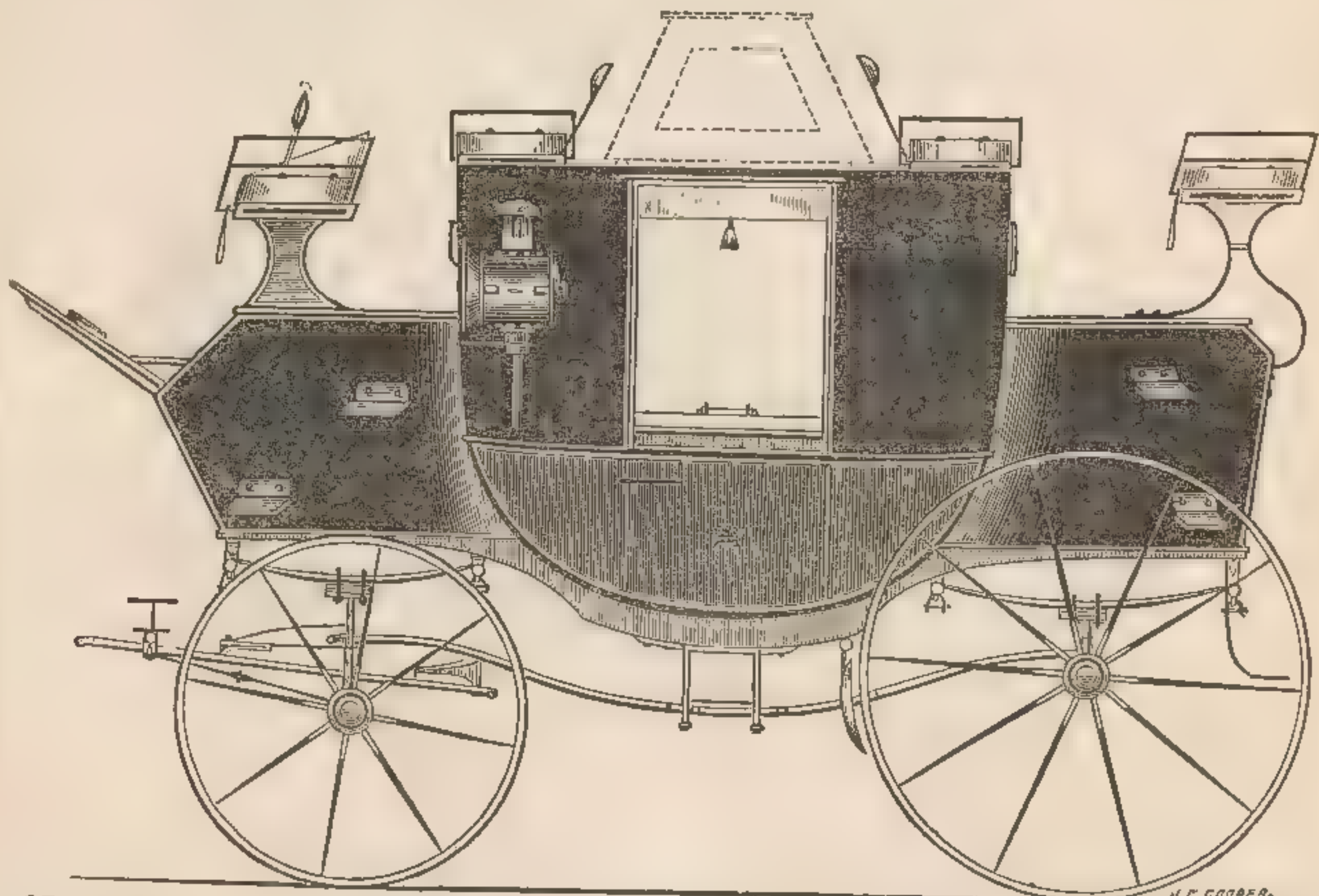
LANDAULET BROUGHAM.



J. C. COOPER

No. 19.

SIDE-LIGHT COACH.



J. C. COOPER

No. 20.

CLUB OR REGIMENTAL DRAG.

CARRIAGES (continued).

The drawings are reduced by scale, and exactly represent the Carriages to which they refer.

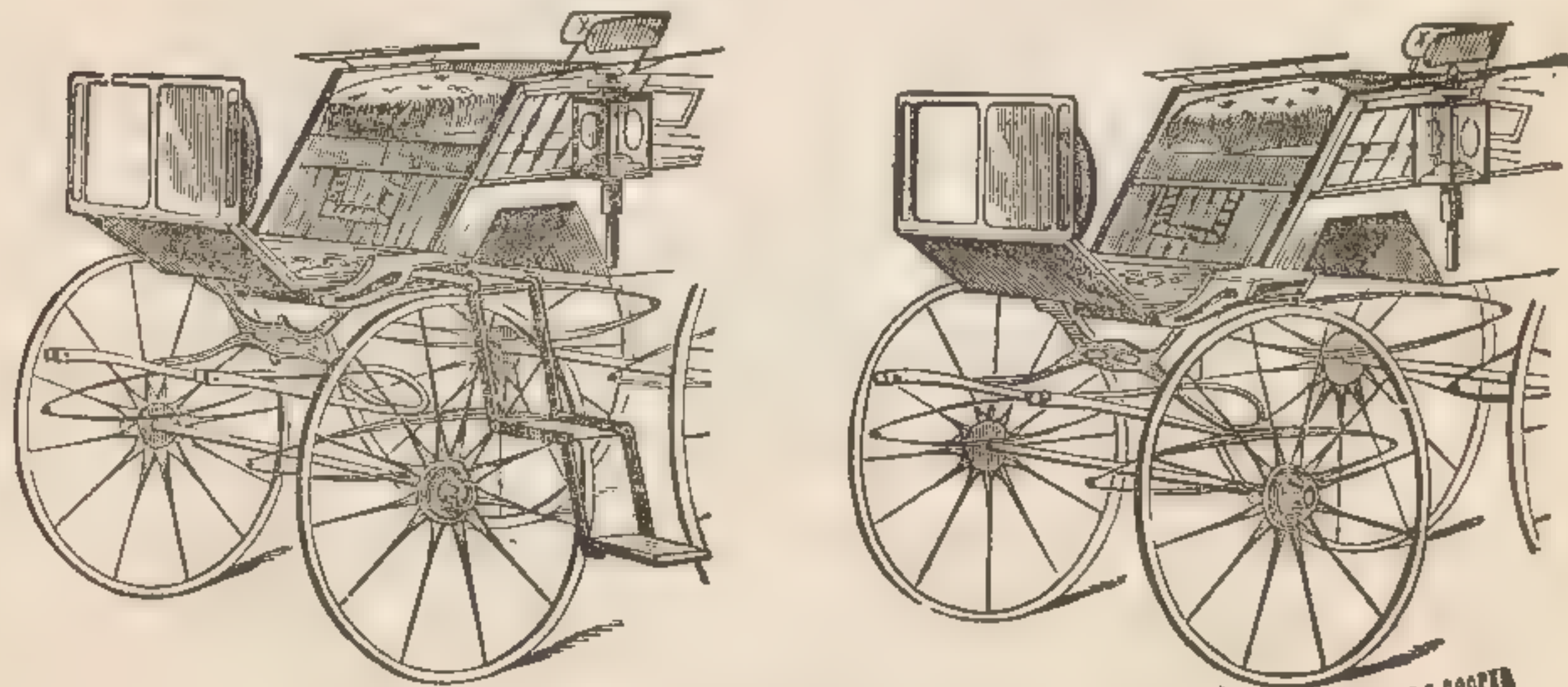
In all cases the woodwork is specially seasoned for use in hot climates. The ironwork combines lightness and strength in the greatest degree possible.

No.

- 1.—VILLAGE CAR. To carry four persons. Suitable for a pony. Plain axle, ash shafts, wood wings, and dasher and American cloth cushions £20
If cloth lined, crank axle, and more highly finished £25
- 2.—LORNE CAR. Suitable for hilly districts. Made in various sizes. Crank axle, to lower the body, if required. Cloth lined £30
- 3.—NORWICH CAR. To carry four persons, easy and light of draught, and will take luggage. Safe for hilly districts. The front seat shifts, to regulate the weight. Made in various sizes £30
- 4.—NORFOLK GAME OR BAGGAGE CART. Very commodious, light, and durable, for the roughest work. Additional panels for winter use ... £32
- 5.—ESSEX CART. Made in various sizes, with strong lancewood shafts, patent axletree, repp cushions, and shifting seats £36
- 6.—DUOBUS. To carry two persons, with door behind and crank axle ... £60
Also constructed to carry four persons, with seat for groom to drive, if required £70
NOTE.—Any of the above can be fitted with fulcrum shafts if desired, at £3 extra.
- 7.—PRIVATE HANSOM. Light and well balanced, with all modern improvements £95
- 8.—PARISIAN VIS-A-VIS PHAETON. To carry four persons. In various sizes. from £40
Rumble for groom, if desired, 5 guineas extra. Fin canopy . extra.
- 9.—AMERICAN TROTTING WAGON. The lightest carriage on four wheels ... £60
- 10.—MINIBUS. Suitable for a cob. Crank axle, high wheels, body low and convenient £65
Movable head extra.
- 11.—SEFTON LANDAU. Very light, with ample sitting accommodation. Equally suitable for summer and winter. Requires only a pair of light riding horses. Head falls flat, making an Open Barouche. Wide doorway £170

CARRIAGES (continued).

- No.
- 12.—MINIATURE ANGULAR LANDAU. Suitable for one horse, or a pair of ponies £170
- 13.—ANGULAR SOCIABLE. Suitable for either one horse or a pair £140
- 14.—TOWN BAROUCHE. Hung on C and under springs, and light steel perch. Seats wide and capacious. Patent automatic apparatus for opening and closing the head without assistance £250
- 15.—WAGONETTE OMNIBUS. Movable panelled head. Extra raised back and wing. Will form a close or open Carriage or Break. Made light for one horse, or large and roomy for a pair £100
Luggage Cradle to roof if required.
- 16.—CIRCULAR OR ANGULAR FRONT BROUGHAM. Very strong and light, with capacious interior. Luggage cradle to roof, and portmanteau rack to hind part. Built in three sizes; miniature for a cob, to carry three adults; medium for a horse, to carry four adults; double for a pair, to form a family carriage £150
- 17.—PRIVATE OMNIBUS. Large front boot. High driving seat, shifting roof seat. Luggage cradles, or with coachman's seat only £180
- 18.—LANDAULET BROUGHAM. Same as No. 16, but forms an open and close Carriage, without detached parts, and guaranteed to be perfectly watertight £160
- 19.—SIDE LIGHT COACH. A handsome family Carriage, with or without rumble, and suitable either for town or country £200
Large cradle to roof, and portmanteau rack to hind part if required.
- 20.—CLUB OR REGIMENTAL DRAG. Lever break, mahogany wine and ice boxes, lunch cases, argand body lamps, footboard lamps, extra leader bars, &c. £250
Folding ladder for ladies if required.



THE LADIES' CARRIAGE STEP, £6 extra.

PINS AND HAIR PINS.

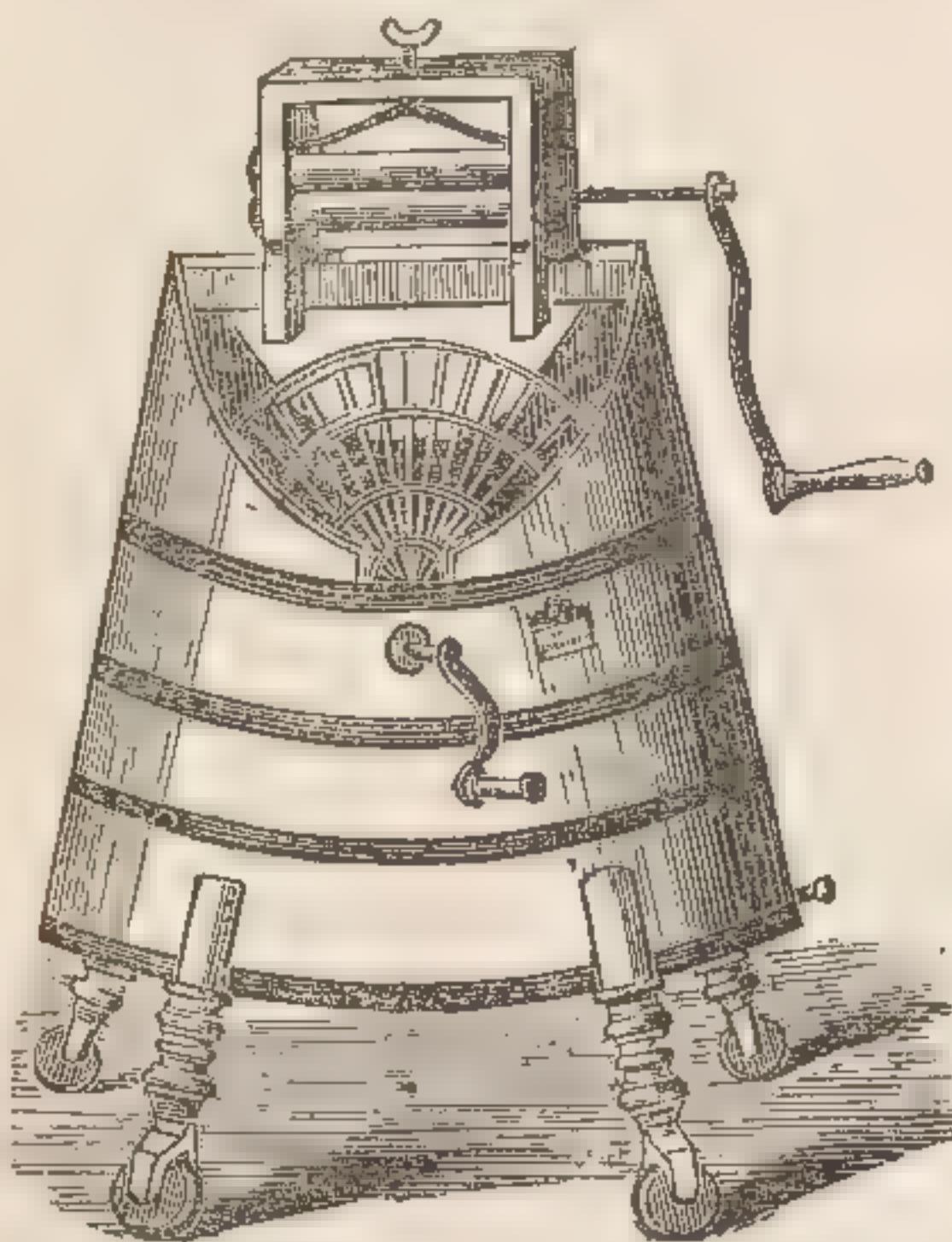
BEST SOLID-HEADED PINS.					BEST JET MOURNING PINS.				
Full Stuck 32/10					Per packet of 10 sheets.				
Per doz. of 24 sheets.									
			s.	d.				s.	d.
Lills...	...	...	4	6	...	...	...	0	6
SSW	...	...	5	0	...	...	...	0	6
BSW	...	...	5	6	...	...	...	0	8
BB	...	...	6	0	...	...	...	0	10
3½	...	...	6	6	...	...	...	1	6
F4	...	...	8	0	...	...	...
SC	...	...	7	6	...	...	...
MC	...	...	8	6	...	...	...
BC	...	...	9	6	...	...	...
DC	...	...	11	3	...	...	...
TC	...	...	13	6	...	...	...
TT C	...	...	15	6	...	...	...
ASSORTED SIZES ON SHEETS IN BOXES.									
Per doz. boxes.									
2 sheets per box	...	...	4	0					
4 "	...	...	8	0					
12 "	...	...	22	0					
IMPERIAL SOLID-HEADED PINS,									
Standard Sizes.									
Per doz. of 24 sheets.									
10/31 or									
Stuck		10/28	11/28	12/31					
No. 12	...	2 1	2 2	2 8					
" 3½	...	2 2	2 3	2 10					
" 4	...	2 4	2 5	3 3					
" 4½	...	2 5	2 7	3 5					
" 5	...	2 8	2 9	3 10					
" 6	...	3 1	3 3	4 2					
" 7	...	3 6	3 9	4 10					
" 8	...	4 0	4 3	5 9					
" 9	...	4 3	4 6	6 1					
" 10	...	4 6	4 10	6 5					
Lills	...	12/20	20/20						
S W	...	1 10	2 8						
	...	1 10	2 8						
GRADUATED HALF SHEETS.									
Per gross sheets.									
No. 1, containing 150 Pins	...	7	6						
" 2, " 170 "	...	8	0						
" 3, " 200 "	...	8	6						
MIXED PINS, IN BOXES.									
Per gross.									
1 oz.					2 oz.				
s. d.					s. d.				
Brilliant Mixed White...	30	0	60	0					
Ne "plus Ultra, White	30	0	60	0					
Embossed Boxes...	27	0	54	0					
" " Jet	27	0	54	0					
Embossed Boxes...	27	0	54	0					
Nonpl. White	24	0	48	0					
" Jet	24	0	48	0					
Inimitable White	18	0	36	0					
" Jet	18	0	36	0					
Imperial Patent White...	15	0	30	0					
" " Jet	15	0	30	0					
3 oz. White	12	0							
4 oz. Jet	9	6							
5 oz. White	7	6							
6 oz. Jet	6	6							
COUNTRY PINS.									
11/28 or									
Stuck	10/28	11/29	10/31						
Per doz. of 24 sheets.									
No. 12	1 11	2 1	2 0						
" 3½	2 0	2 2	2 1						
" 4	2 1	2 3	2 2						
" 4½	2 3	2 6	2 4						
" 5	2 5	2 8	2 6						
" 6	2 8	3 0	2 10						
" 7	3 2	3 6	3 4						
" 8	3 6	3 11	3 9						
" 9	4 0	4 5	4 3						
" 10	4 3	4 8	4 6						
BEST DOUBLE-JAPANNED HAIR PINS.									
2 2½ 2½ 2¾ 3 3½ 3¾ 4 inches.									
Plain. Curvilinear.									
18 and 19 W G	7/9	8/3	doz. lbs.						
20 W G	8/3	9/6	"						
If in packets, 16, 18, or 20 to lb.,									
-4½ per doz. lbs. extra.									
LADIES' POCKET COMPANION CASES,									
containing 100 Pins, assorted sizes, 6.6 gro.									
BEST DOUBLE-JAPANNED HAIR PINS.									
2 2½ 2½ 2¾ 3 3½ 3¾ 4 inches.									
Assorted to 3 in. Assorted to 4 in.									
In packets of 1 oz. 11/- per doz. lbs.									
JAPANNED HAIR PINS.									
No. 16	17	18	19 W G						
3/-	3/6	4/2	5/- doz. lbs.						

WASHING MACHINES.

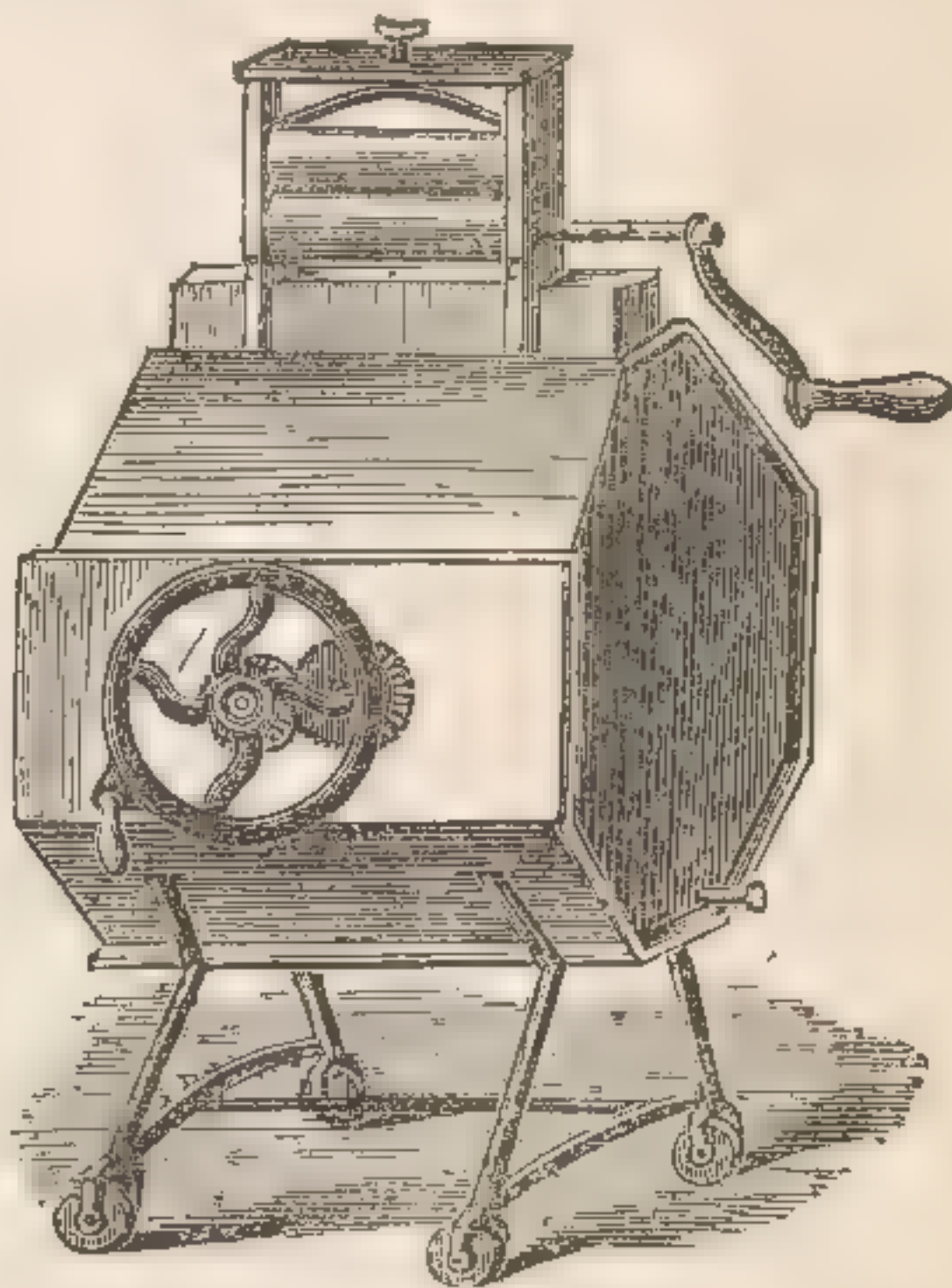
IMPERIAL ROTARY WASHING MACHINE.

MADE OF THE BEST PITCH PINE, AND LINED THROUGHOUT WITH ZINC PLATES.

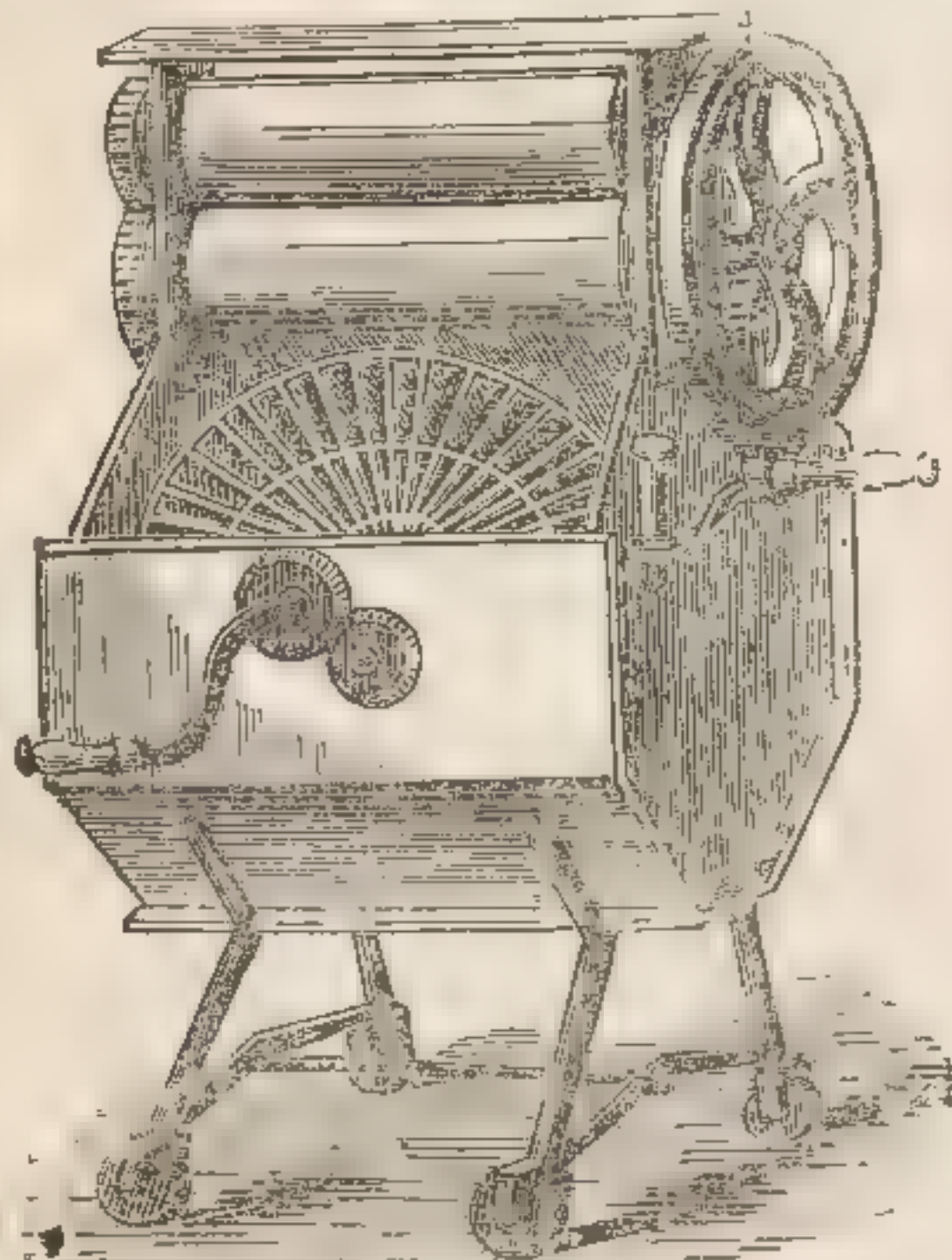
This Machine possesses many important advantages, It will wash the finest cambric and the heaviest blankets equally well, and without the slightest damage. No pounding, mauling, or scrubbing action is employed, therefore no destruction is caused to the fabric or the fastenings of garments. The articles are cleansed solely by the force of the water upon them. The labour is very light, a child of seven years of age may work it, one person can easily wash from six to fourteen dozen in an hour, and the saving of soap is enormous.



No. 1—Drum 20in. diameter ...	£2 10 0
Ditto, with 10in. Wringer	3 12 0
No. 2—Drum 25in. diameter ...	2 16 0
Ditto, with 12in. Wringer	4 0 0
No. 3—Drum 30in. diameter ...	3 4 0
Ditto, with 15in. Wringer	4 16 0

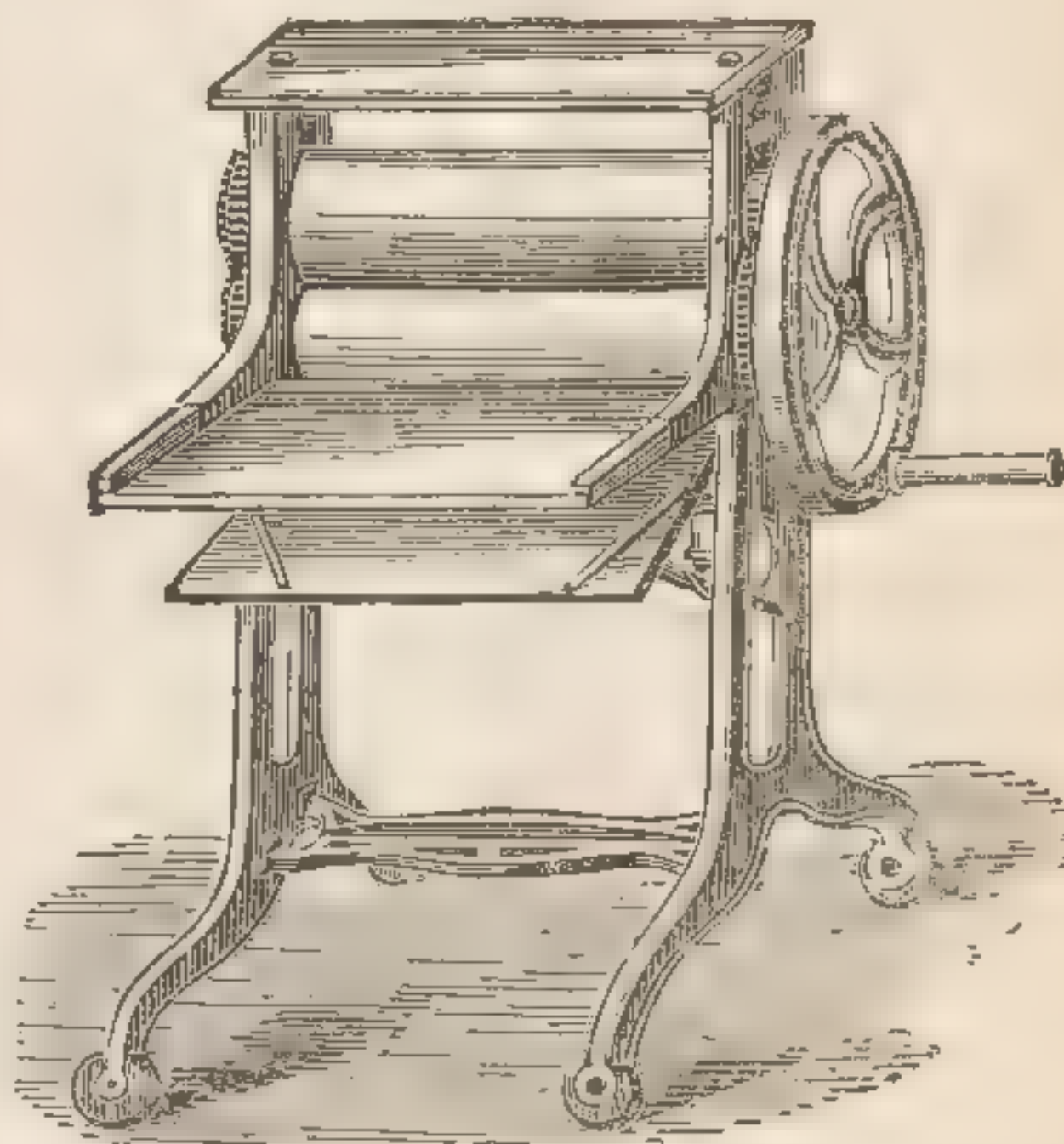


No. 1—Drum 20in. diameter ...	£2 16 0
Ditto, with 10in. Wringer	3 18 0
No. 2—Drum 25in. diameter ...	3 4 0
Ditto, with 12in. Wringer	4 8 0
No. 3—Drum 30in. diameter ...	3 12 0
Ditto, with 15in. Wringer	5 4 0



WASHER, WRINGER & MANGLE
(COMBINED).

1—Drum 20in. diam. with 21in. rollers	4 16 0
2—Drum 25in. „ „ 26in. „	5 12 0
3—Drum 30in. „ „ 30in. „	6 8 0

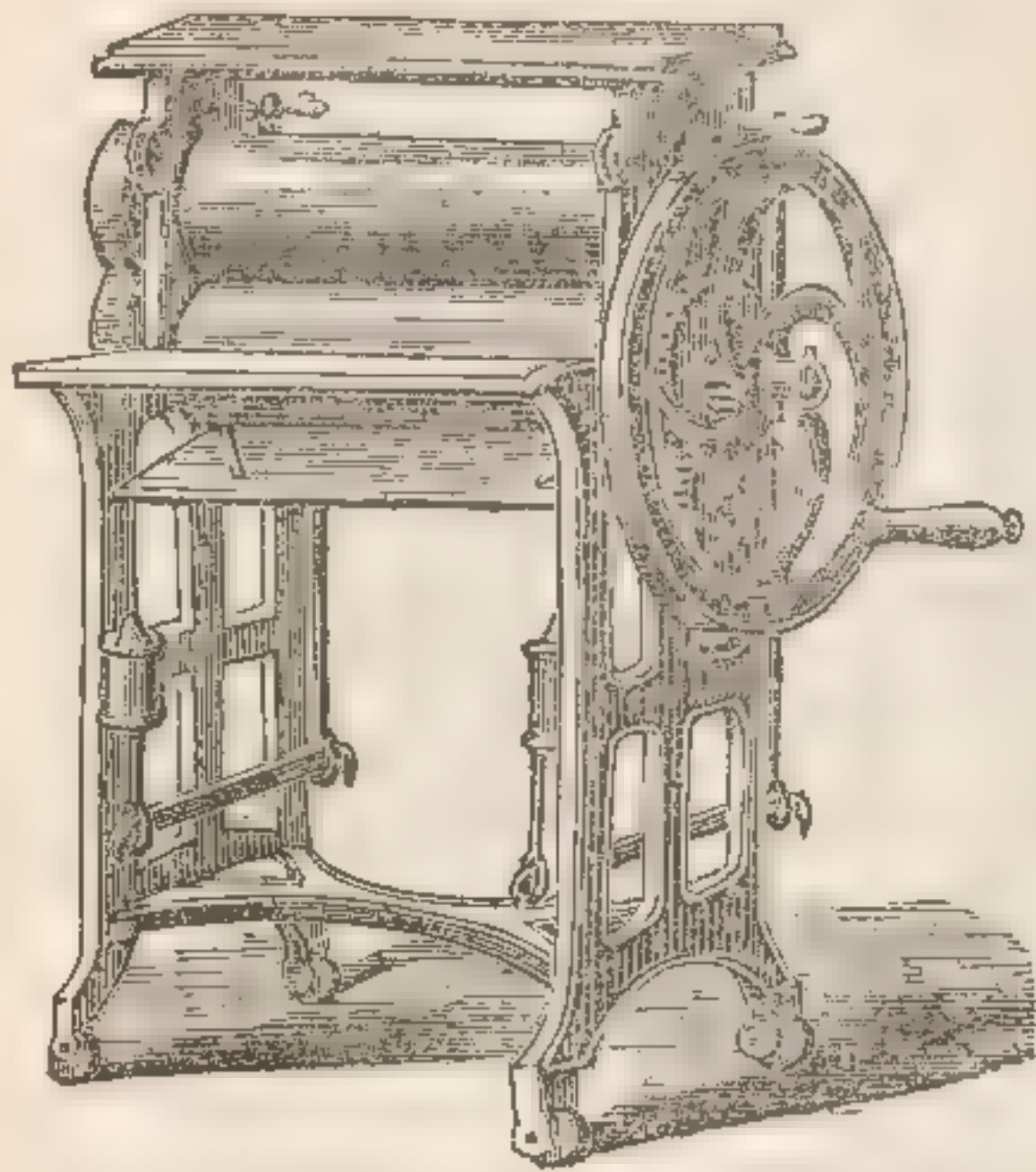


No. 1. COTTAGE MANGLE.

20in. Rollers ...	£2	22in. Rollers ...	£2 4s.
-------------------	----	-------------------	--------

INDIAN-RUBBER WRINGERS	10in. 23/-
12in. 24/-	15in. 32/- with powerful action.

WASHING MACHINES (continued).



No. 2. HOUSEHOLD MANGLE.

24in. Roller...£2 8s. 28in. Roller...£2 16s.
26in. ,, ...£2 12s. 30in. ,, £3 0s.

Hardwicke Reformatory,
Near Gloucester, Jan. 9th, 1873.

I have much pleasure to inform you that the Committee have sanctioned the purchase of your Washing Machine, and we consider it the the very best machine out for general use in washing clothes. There is no complicated cog wheels, &c. to get out of order, in fact, the roughest boys we have will find some difficulty I fancy, to get it out of order. I am well pleased with it.

THOMAS GEE, GOVERNOR.

Milton Union Workhouse, Sittingbourne,
Kent, 6th July, 1876.

I have much pleasure in bearing testimony to the usefulness of the Washing Machine supplied by you nine months ago. It is a great help to us, more so in the summer months when we are short of hands; it is easy, simple, and has done its work well, in fact I do not know what we should do without it.

P. HANSON, MASTER.

DIRECTIONS FOR USING THE WASHING MACHINE.

1.—Before using the Washer rinse it out with hot water, so as to remove any dirt or sediment that may be in it.

2.—Fill the Washer up to within three inches below the spindle with soft water, which must be boiling hot; or fill up the trough with hot soft suds to within 3 inches from the spindle, put the clothes into the drum or barrel at the door-slide, turn the winch handle so as to cause the drum with the clothes in it to revolve at a medium rate, at every half revolution the clothes will fall back into the water, by this action they will be cleansed.

3.—After going through the whole of the washing run off the water at the plug, and fill again with fresh water; wash the finest articles first so that they may have the benefit of the cleanest water, and soap well the articles where badly soiled places between each water. Where soft water is used, little or no soap should be added to the hot water.

4.—Shake the clothes in lifting them out of the washer, and always avoid lumps when putting them through the Wringer.

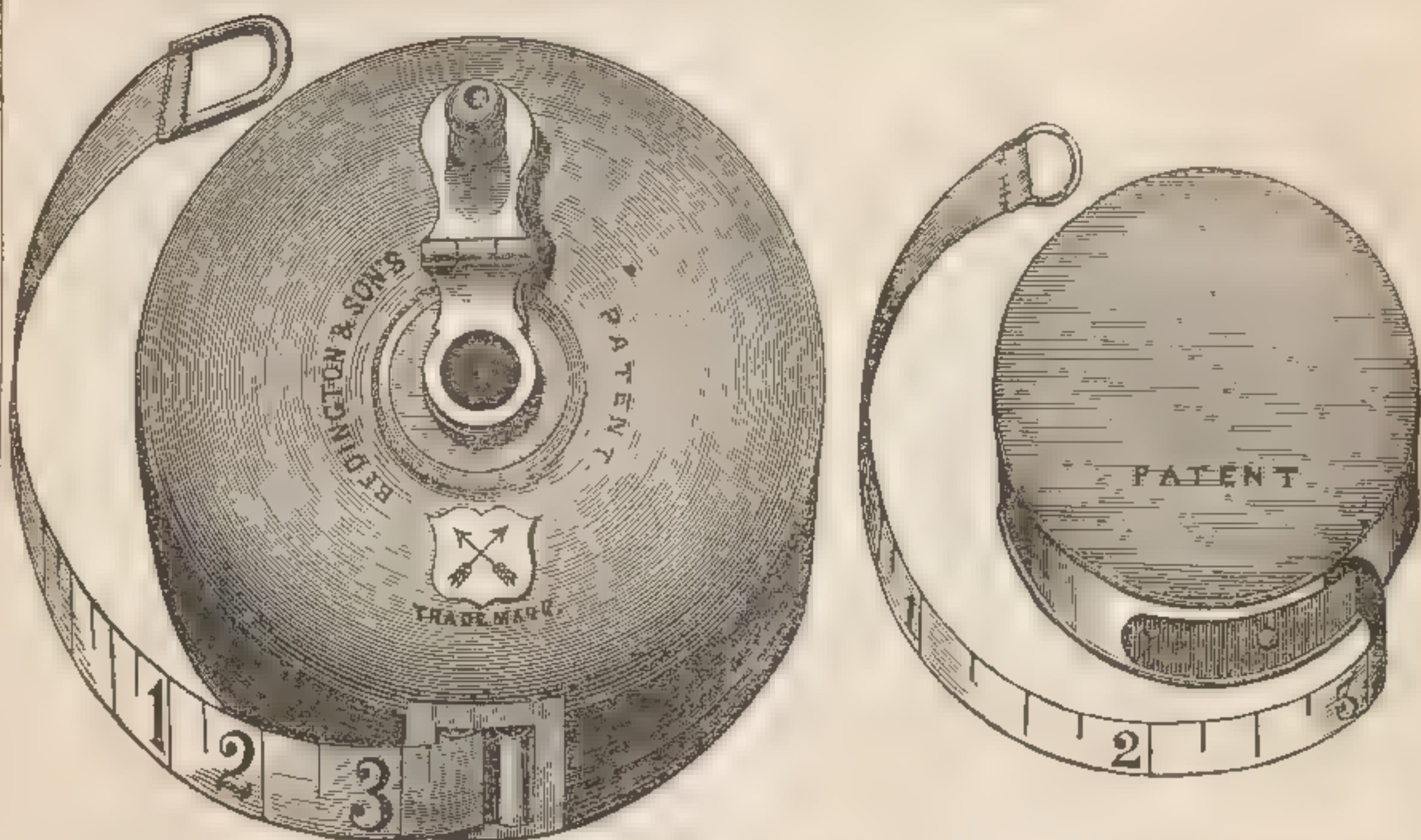
5.—It must be remembered that in washing the drum must not be worked too fast, or the clothes will not be thoroughly cleansed; for if turned too fast they will be simply carried round with the drum instead of falling back into the water; neither must it be turned too slowly, or the action will not be sufficient to separate the clothes from each other.

As a guide for the quantity that should be put into the different size machines, in order that they may not be overcrowded, the following number of articles at each wash will allow the Machine to work efficiently :

No. 1 Machine,	6 Shirts,	or 3 Sheets,	or 1 large Blanket.
No. 2 ,,	10 ,,	5 ,,	2 ,,
No. 3 ,,	15 ,,	8 ,,	4 ,,

The time required for each wash will be from four to five minutes, or if the linen be very dirty, a minute or two longer.

MEASURING TAPES.



	24	33	50	66	75	80	100	feet.
BEST METALLIC TAPE, $\frac{5}{8}$ inch wide, in best waterproofed case, with folding handle	4/6	5/3	6/6	7/6	8/3	8/9	10/6	each.
Ditto ditto, in strong brass case, with folding handle	4/6	5/3	6/6	7/6	8/3	8/9	10/6	„
Ditto ditto, $\frac{1}{2}$ in. wide, in strong waterproofed case, with folding handle...	4/-	4/9	5/10	6/3	7/4	8/-	9/3	„

These Tapes have metal threads interwoven lengthwise, as made by the late Jas. Chesterman, and are now supplied to the Royal Dockyards, the Board of Trade, and the Custom House.

Etched STEEL Tape, $\frac{3}{8}$ inch wide, in best case, with flush handle	11/-	14/-	19/-	24/6	28/-	32/6	36/-	each.
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With Double Waterproofed Corded Linen Tape, $\frac{5}{8}$ inch wide, supplied to the Indian Government, the Board of Trade, and the Custom House.

	24	33	50	66	75	80	100	feet.
Double Waterproof Corded Dutch Linen Tape, $\frac{5}{8}$ in. wide, in best strong waterproofed case, with folding handle ...	3/6	4/6	5/3	6/-	6/9	7/3	9/-	each.
Ditto ditto, $\frac{1}{2}$ inch wide, in best leather case, with folding handle	3/2	3/8	4/8	5/6	5/10	6/3	7/3	„
With extra strong Painted Linen Tape, $\frac{1}{2}$ inch wide, in best waterproofed case, with folding handle	2/9	3/4	4/6	5/-	5/6	5/9	6/6	„
With strong Dutch Linen Tape, $\frac{3}{8}$ inch wide, in very neat japanned case, with folding handle	—	—	2/6	2/9	3/-	3/9	4/6	„
With Waterproofed Linen Tape, $\frac{5}{8}$ inch wide, in best waterproofed case, with folding handle	3/-	3/8	4/9	5/6	5/10	6/3	7/3	„
With Linen Tapes, $\frac{1}{2}$ inch wide, in best japanned case, ditto	2/2	2/8	3/3	3/9	4/2	4/5	5/3	„
With Cotton Tape, $\frac{1}{2}$ inch wide, in strong ornamented japanned case, with folding handle	1/8	1/10	2/3	2/7	2/10	3/-	3/8	„
In brass rim case, cloth sides, ditto	1/4	1/6	1/10	2/2	2/4	2/6	3/-	„
In varnished case, folding handle	15/-	17/-	20/-	24/-	26/-	28/-	32/-	doz.
In brass rim case (N.B.—Foreign measure extra)	11/-	11/-	12/-	13/-	18/-	19/-	23/-	„
Flush handles to any of the above	-/6	-/6	-/6	-/9	-/9	-/9	1/-	ea. ex.
Multiplying Motions to Best Tapes	—	2/-	2/-	2/6	2/6	2/9	3/-	„

WIND-UP POCKET MEASURES.

	3	6	12	18	24	feet.
Brass case, with revolving lid (N.B.—Two measurements charged extra)	36/-	48/-	84/-	—	—	gross.
Best ditto, ditto	5/-	7/-	10/-	13/-	—	doz.
Best electrum case, ditto	9/-	12/-	16/-	22/-	—	„
Best brass case, with straight handle	6/-	7/6	10/6	14/-	—	„
German-silver case, with ass-skin side, folding handle	—	—	2/9	3/6	4/-	each.

MEASURING TAPES (continued).

SPRING MEASURES.

	18	24	33	50	66	100	feet.
With Fine Linen Tape, $\frac{7}{16}$ inch wide, in best brass case, with stop on rim ...	6/-	8/-	10/-	12 6	14/-	27 6	each.
Ditto ditto, in electrum ditto, ditto ...	7/6	9 6	12/-	15 6	17 6	32/-	„
		3	4	5	6	12	feet.
With Fine Linen Tapes, with one measurement each side, in brass case, neat and good ...		10/-	12/-	14/-	15/-	24/-	doz.
With ditto, in ditto, with rim stop ...		11/-	16/-	18 -	19/-	28/-	„
With ditto, in electrum case, neat and good ...		16 6	20 -	22/-	24/-	40/-	„
With ditto, in ditto, with rim stop ...		20 6	24 -	26/-	28/-	44/-	„
With ditto, in ditto, with spring stop ...		24/-	-	28 -	30/-	46 -	„
With ditto, in best electrum case, ditto ...		30/-	-	36 -	40/-	64 -	„
With Steel Tape, having one measurement each side, in best brass case, with spring stop ...		34/-	—	41/-	50/-	86/-	„
With ditto, in best electrum case ...		40/-	—	52 -	58/-	102/-	„

WIND-UP MEASURES, IN REGISTERED CYCLO CASES,

Having a large amount of generally useful matter printed on the sides, viz.—

Long Measure.	Troy Weight.	Gold Standard Value of per
Square Measure.	Comparison of English and French	Centages per £.
Cubic Measure.	Weights and Measures.	Weights of Iron, Water,
Liquid Measure.	Value in English Currency of	Flour, &c
Dry Measure.	Foreign Coins.	Population of the Principal
Hay Measure.	Division of Circle.	Countries of the Globe,
French Measure.	Rules for obtaining Area, Diameter	&c.
Avoirdupois Weight.	and Circumference of a Circle.	

All or part of the above matter on the Case, according to size and quality ordered.

	33	50	66	100	feet.
With Best Metallic Tape, $\frac{5}{8}$ inch wide, in best brass rim case, with cyclo sides, folding handle ...	5/3	6 6	7 6	10 6	each.
With Painted Linen Tape, $\frac{1}{2}$ inch wide, brass rim case, folding handle ...	2 6	2 9	3 -	4 6	„
With Cotton Tape, in brass rim case, folding handle ...	18/-	22/-	26/-	36/-	doz.

LAND CHAINS

	(TALLIED EVERY TEN LINKS).		50 Links.		100 Links.		Feet
			33	50	66	100	
Best No. 11 Steel Wire Japanned, three oval rings, with brass swivel handles and tallies	6/-	7/3	10/-	12/-	each.		
Best No. 11 Steel Bright Wire, brazed at each joint, brass swivel handles and tallies	10/6	13/6	17/-	22,6	,,		
Best No. 8 Iron Wire, three oval rings, with strong brass swivel handles and tallies (Government pattern)	4/9	5/-	7/-	7,6	,,		
Ditto ditto ditto, Galvanized, as supplied to the Indian Government ..	6/-	6/6	8/9	9/6	,,		
Best No. 8 Iron Wire, two oval rings, with strong brass handles and tallies...	3,4	3/8	5/6	6/-	,,		
No. 9 Wire, round rings, with brass handles and tallies	2/10	3/3	4/8	5/4	,,		
No. 10 Wire, ditto ditto	2/4	2/9	4/-	4/8	,,		



LAND CHAIN ARROWS

(IN SETS OF TEN).

Best Japanned No. 11 Steel Wire ...	1/-	per set.
Ditto ditto No. 7 ditto Iron Wire ...	-/8	„
Ditto Galvanized No. 7 ditto ditto ...	1/3	„

PRINTING PLANT.

TYPE.	14-line and larger.	12-line to 6 line.	5-line, 4 line, and Canon.	2-line Dbl. Pica & 3-lin. Pica.	2-l. Gt. Prim. & 3-l. S. Pica.	2-line English.	2-line Pica.	Dbl. Pica, or Sm. Pica 2-line.	Long Primer 2-line.	Gt. Prim., or Bourg. 2-line.	Brevier 2 line.	Minion 2-line.	English, or Emerald 2 line.	Pica, or Nonpareil 2 line.	Small Pica, or Ruby 2-line.	Long Primer.	Bourgeois, or Diamond 2-line.	Brevier.	Minion.	Emerald.	Nonpareil.	Ruby.	Peau.
Albion, or Elephant	0 80	91	01	11	11	11	11	12	12	12	12	12	1 41	61	110	110	22	22	33	33	50	50	
Anglo-Saxon, Open, &c.	2 03	03	03	63	63	63	64	04	6	46	46	46	1 41	61	81	110	20	22	4	33	33	50	50
Antique, and Ant. Com.	0 80	91	01	11	11	11	11	12	12	12	12	12	1 41	61	81	110	20	22	4	33	33	50	50
Antique Comp., No. 2	1 01	21	61	61	61	91	91	92	02	02	02	03	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Book Letter, 120-lb. fts.	0 80	90	11	01	01	01	01	01	0	10	10	10	1 01	11	21	31	51	61	72	02	42	83	6
Ditto, less weights	0 91	01	01	11	11	11	11	12	12	12	12	12	1 21	31	41	61	81	91	110	22	73	04	0
Black, Old Black, &c.	1 6	1 6	1 6	1 9	1 9	1 9	1 9	2 0	2 0	2 0	2 0	2 0	2 63	03	03	63	94	0	5 6	5 6	5 6	5 6	5 6
Borders and Flowers	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Cheques	3 03	03	03	03	03	03	03	0	0	0	0	0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Circular & Commercial	0 80	91	01	61	91	91	91	92	02	02	02	03	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Condensed, 1, 2, 3 and 4	0 80	91	01	61	91	91	91	92	02	02	02	03	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Condensed Italic	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Comprsd. No. 3 Titling	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Ditto, Nos. 2 and 3	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Ditto, No. 4	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Doric, Nos. 1, 2, and 3	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Doric Expanded, 1, 2 & 3	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Doric Outline	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Ecclesiastic	3 64	0	0	0	0	0	0	0	0	0	0	0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0
Extended Shaded	2 02	02	02	02	02	02	02	0	0	0	0	0	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6
Extra Elongated, 1 & 2	2 02	02	02	02	02	02	02	0	0	0	0	0	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6
Flowers and Borders	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
German	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Greek	2 63	03	03	63	94	04	6	2 0	2 0	2 0	2 0	2 0	2 63	03	03	63	94	04	6	5 6	5 6	5 6	5 6
Grounds	1 9	1 9	1 9	1 9	1 9	1 9	1 9	2 0	2 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Hebrew	1 6	1 6	1 6	1 6	1 6	1 6	1 6	2 0	2 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Ionic	0 91	01	01	11	11	11	11	12	12	12	12	12	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Ionic, No. 2, &c.	0 80	91	01	11	11	11	11	12	12	12	12	12	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Ionic Compressed	0 80	91	01	11	11	11	11	12	12	12	12	12	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Ditto ditto Italic	0 80	91	01	11	11	11	11	12	12	12	12	12	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Ionic Expanded, 1 and 2	0 91	01	01	11	11	11	11	12	12	12	12	12	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Italian Hand	3 6	3 6	3 6	3 6	3 6	3 6	3 6	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0
Latin Compressed	1 21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Latin Expanded	1 6	1 6	1 6	1 6	1 6	1 6	1 6	2 0	2 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Latin Expanded, No. 2	1 6	1 6	1 6	1 6	1 6	1 6	1 6	2 0	2 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Lithograph Italic	3 0	3 0	3 0	3 0	3 0	3 0	3 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0
Missal	4 6	4 6	4 6	4 6	4 6	4 6	4 6	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0
News Founts, 120 lbs.	1 01	11	21	31	51	61	72	02	42	83	6	1 01	11	21	31	51	61	72	02	42	83	6	1 01
Old Face, Nos. 1 and 3	0 91	01	01	11	11	11	11	12	12	12	12	12	1 21	31	41	61	81	91	110	22	73	04	0
Old Face, No. 2	1 61	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37	0
Oriental, Signs, &c.	2 02	02	02	02	02	02	02	03	03	03	03	03	43	93	94	64	95	36	06	66	67	68	09
*Ornamented, all Nos.	2 02	02	02	02	02	02	02	03	03	03	03	03	43	93	94	64	95	36	06	66	67	68	09
Quadrats, 2, 3, & 4 ems	0 80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Roman, small weights	0 80	91	01	11	11	11	11	12	12	12	12	12	1 21	31	41	61	81	91	110	22	73	04	0
Roman Expanded	1 9	1 9	1 9	1 9	1 9	1 9	1 9	2 0	2 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Ronde	4 6	4 6	4 6	4 6	4 6	4 6	4 6	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0
Script	3 0	3 0	3 0	3 0	3 0	3 0	3 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0
Signs and Peculiars	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 63	03	03	63	94	04	65	05	66	37	0
Split Fractions	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0	3 0
Text and Teuton Text	3 63	6	6	6	6	6	6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6
Titling Letter, or 2-line	1 01	21	61	61	91	91	91	92	02	02	02	03	2 6	2 63	03	03	63	94	04	65	05	66	37
Victoria	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0

* Ornamented.—This also includes Florentine, Graphic Open, Ionic Outline, Monastic, Perspective, Rustic, Shaded, Tuscan, Venetian, &c.

Large Combination Borders, 3/- Leads—4, 6, and 8 to Pica, 6d., 8d., and 1/- Quotations, 6d.
Furniture, 7d. Space Rules, 4/-

Words only, one-half more. Founts cast on larger than own bodies, charged according to face.

PRINTING PLANT (continued).

THE "LIBERTY" PRINTING MACHINE.

	inches.	inches.		£	s.	d.
No. 2—Bed	8 $\frac{1}{4}$ by 12 $\frac{3}{4}$	Inside of Chase	7 by 11 including Card Drop and Ink Fountain	46	0	0
" 2A—	10 $\frac{1}{4}$ " 14 $\frac{3}{4}$	" " 9 " 13	with Ink Fountain	53	0	0
" 3—	11 $\frac{1}{4}$ " 17 $\frac{1}{4}$	" " 10 " 15	" " " "	63	0	0
" 4—	14 $\frac{1}{2}$ " 21 $\frac{1}{4}$	" " 13 " 19	" " " "	83	0	0

Steam Fixtures, for any of the sizes, extra, £2.

Three Chases, two sets of Roller Stocks, one Roller Mould, one Hand Roller, and two Wrenches go with each Press.

THE "MINERVA" PLATEN MACHINE.

Prints well at the rate of 1000 to 2000 per hour.

	INSIDE MEASUREMENT OF CHASE.	£	s.	d.
Royal octavo	7 in. by 11 in.	50	0	0
Foolscap folio	9 in. " 13 in.	55	0	0
Crown folio	10 in. " 15 in.	65	0	0
Large post folio	11 in. " 17 in.	75	0	0
Demy folio	13 in. " 19 in.	85	0	0

Steam Gearing, if required, £3 extra. Ink Duct, £3 3s. extra.

Two Chases, two sets of Roller Stocks, Roller Mould, Wrenches, Oil Can, &c, &c., delivered with each Machine.

THE "CITY" PRINTING MACHINE.

Provided with Fly-wheel and Handle for hand-power or fast and loose Pulleys and Striking Gear for steam power, with two sets of Roller Stocks.

	OCCUPYING THE SPACE OF	SIZE OF TABLE.	£	s.	d.
Demy	6 ft. by 4 ft.	21 in. by 26 in.	75	0	0
Double crown	7 ft. " 4 ft. 6 in.	24 in. " 34 in.	95	0	0
Double demy	8 ft. " 5 ft.	30 in. " 40 in.	125	0	0
Double royal	9 ft. " 6 ft.	34 in. " 46 in.	145	0	0
Full-size News	11 ft. " 7 ft.	45 in. " 60 in.	225	0	0

ALBION.

Prices—including two Springs and Friskets.

					£	s.	d.
Galley Press	...	Sizes of platen,	29 in. by 6 in.	...	12	12	0
Half-sheet foolscap	...	" "	15 in. " 9 $\frac{3}{4}$ in.	...	13	0	0
Half-sheet post	...	" "	16 in. " 11 in.	...	16	0	0
Half-sheet demy	...	" "	18 in. " 12 in.	...	20	0	0
Foolscap broadside	...	" "	19 in. " 14 $\frac{1}{4}$ in.	...	25	0	0
Crown broadside	...	" "	21 in. " 16 in.	...	30	0	0
Demy	...	" "	24 in. " 18 in.	...	40	0	0
Royal	...	" "	26 in. " 20 $\frac{1}{2}$ in.	...	45	0	0
Super royal	...	" "	29 in. " 21 in.	...	50	0	0
Double crown	...	" "	34 in. " 22 $\frac{3}{4}$ in.	...	55	0	0
Double demy	...	" "	36 in. " 23 $\frac{1}{2}$ in.	...	65	0	0
Double royal	...	" "	40 in. " 25 in.	...	75	0	0

BLANKETS, PARCHMENTS, &c.

BLANKETS.				PARCH- FRISKETS | SPRINGS		
	Inches.	Stout.	Medium.	Fine.	Super.	MENTS.
		s. d.	s. d.	s. d.	s. d.	s. d.
Galley Press	30 by 7	1 3	1 8	2 8	3 0	—
Half-sheet foolscap	16 " 11	1 2	1 6	2 6	2 8	1 2
Half-sheet demy	19 " 13	1 6	2 0	3 0	3 6	1 6
Foolscap broadside	20 $\frac{1}{2}$ " 15	2 3	2 9	4 0	4 6	1 6
Crown broadside	22 $\frac{1}{2}$ " 16 $\frac{1}{2}$	2 6	3 0	5 0	5 6	2 6
Demy	26 " 19	2 9	3 6	5 6	6 9	3 0
Royal	27 " 22	3 9	4 6	6 6	8 0	3 0
Super royal	30 $\frac{1}{2}$ " 22	4 3	5 3	8 0	9 3	3 6
Double crown	36 " 24	5 0	6 6	10 6	11 9	4 6
Double demy	38 " 26	5 9	7 9	11 9	13 0	6 0
Double royal	42 " 26	6 9	8 6	13 0	15 0	7 0

Girthing, per yard -1 inch, -/6; 1 $\frac{1}{2}$ inch, -/8; 2 inch, -/10

Tympan Cambric, 40 inches wide, 1/6 per yard.

These prices vary with the markets.

PRINTING PLANT (continued).

ESTIMATE FOR A COMPLETE JOBBING OFFICE
ON A SMALL SCALE.

COMPOSING DEPARTMENT.

FITTINGS. &c.				£	s.	d.
8 pairs Best Cases ...	@	7/6		3	0	0
10 Double ditto ...		5/-		2	10	0
6 Treble ditto ...		5/-		1	10	0
6 Upper ditto ...		3/9		1	2	6
1 Double Crown Imposing Surface, with stout frame and drawer ...				4	10	0
1 pair Demy Wrought Iron Chases, for 8vo and 12mo ...				1	0	0
1 pair Crown Wrought Iron Chases, for 8vo and 12mo ...				0	17	0
1 pair Foolscap Wrought Iron Chases, for 8vo and 12mo ...				0	15	0
12 Broadside and Jobbing Chases, assorted sizes (cast iron) ...				2	0	0
1 ten-inch Iron Composing Stick ...				0	7	6
1 set of Setting Rules ...				0	2	6
1 each Demy Folio, Post Folio, Demy 4to and 8vo Mahogany Galleys ...				0	8	6
1 doz. each Narrow, Broad, Double Narrow and Double Broad Furniture ...				0	16	0
2 dozen each Pica and Nonpareil Reglet ...				0	4	6
1 doz. each Long Prim. and Brevier ditto ...				0	2	3
1 dozen 36-inch Sidesticks ...				0	3	6
1000 Quoins ...				0	8	0
½ dozen Shooting Sticks ...				0	2	6
Mallet and Planer ...				0	3	0
Saw and Block ...				0	6	6
1 pair Shears ...				0	5	0
1 Paper Knife ...				0	3	0
½ dozen Bodkins ...				0	2	0

BOOK FOUNTS.

30 lbs. Nonpareil Roman and Italic	2/7	3	17	6
60 „ Brevier ditto	1/9	5	5	0
120 „ Long Primer ditto	1/3	7	10	0
60 „ Pica ditto	1/3	3	15	0
40 „ Great Primer ditto	1/2	2	6	8

JOBBING LETTER.

40 lbs. 2-line English Roman and Italic	1/1	2	3	4
40 „ 2-line Great Primer ditto	1/1	2	3	4
40 „ Canon Roman, No. 4	1/-	2	0	0
3 „ Nonp. 2-line Comp., No. 3	3/-	0	9	0
25 „ Double Pica, No. 9	1/2	1	9	2
6 „ Gt. Primer 2-line Latin Comp.	1/9	0	10	6
2 „ Pica Missal	4/6	0	9	0
4 „ Double Pica Teuton Text	4/6	0	18	0
4 „ Great Primer Anglo-Saxon	4/6	0	18	0
3 „ Pica Anglo-Saxon	5/-	0	15	0
3 „ Pica Ecclesiastic	5/-	0	15	0
15 „ 6-line Pica Condensed, No. 4	-/9	0	11	3
10 „ 4-line ditto No. 4	1/-	0	10	0
4 „ 2-line Bourg. ditto No. 4	2/-	0	8	0
3 „ 2-line Nonp. ditto No. 4	3/-	0	9	0
2 „ Brevier ditto No. 4	4/-	0	8	0
1 „ Nonpareil ditto No. 4	5/6	0	5	6
3 „ Nonp. 2-line Ionic Exp. No. 2	3/-	0	9	0
1 „ Nonp. Ionic Expanded No. 2	5/6	0	5	6
2 „ Brevier Doric Expanded	4/-	0	8	0
4 „ Bourgeois 2-line Graphic Open	3/-	0	12	0
10 „ Long Primer Litho Italic	3/6	1	15	0
20 „ 6-line Pica Latin Compressed	1/2	1	3	4
8 „ 2-line English ditto ditto	1/9	0	14	0
3 „ Nonp. 2-line ditto ditto	3/-	0	9	0
2 „ Brevier ditto ditto	4/-	0	8	0
20 „ 5-line Pica Latin Expanded	1/6	1	10	0
5 „ Bourg. 2-line ditto ditto	2/-	0	10	0
3 „ Pearl 2-line Latin Expanded	3/6	0	10	6
5 „ Bourg. 2-line Old Face, No. 2	2/-	0	10	0
3 „ Brevier 2-line Venetian	3/4	0	10	0
1 „ Nonpareil ditto	8/-	0	8	0

Carried forward ... £68 17 10

				£	s.	d.
Brought forward				68	17	10
6 lbs.	Eng. 2-line Ornamented, No. 22	2/-	0	12	0	
4	Bourgeois 2-line ditto No. 22	3/-	0	12	0	
6	Double Pica ditto No. 27	3/-	0	18	0	
3	Nonpareil 2-line ditto No. 10	4/6	0	13	6	
2	Pearl 2-line ditto No. 13	5/3	0	10	6	
1	Nonpareil ditto No. 13	8/-	0	8	0	
30	Canon Compressed, No. 3	1/6	2	5	0	
20	6-line Pica Ionic Expanded	-/9	0	15	0	
6	Bourgeois 2-line ditto	2/-	0	12	0	
4	Pearl 2-line ditto	3/6	0	14	0	
20	Canon Ionic, No. 2 (caps)	1/-	1	0	0	
15	2-line Eng. Ionic No. 2	1/1	0	16	3	
10	Gt. Primer Ionic, No. 2	1/2	0	11	8	
8	Pica Ionic, No. 2	1/6	0	12	0	
6	Long Primer Ionic, No. 2	1/10	0	11	0	
5	Brevier Ionic, No. 2	2/2	0	10	10	
3	Nonpareil Ionic, No. 2	3/3	0	9	9	
15	6-line Ionic Compressed	-/9	0	11	3	
8	Gt. Prim. Ionic Comp. No. 2	1/2	0	9	4	
6	Lg. Prim. Ionic Comp. No. 2	1/10	0	11	0	
30	6-line Roman caps	-/9	1	2	6	
30	Canon Antique Compressed	1/-	1	10	0	
20	6-line ditto No. 3	-/9	0	15	0	
12	4-line ditto No. 3	1/-	0	12	0	
15	4-line Doric, No. 2	1/6	1	2	6	
8	Pica 2-line Doric, No. 2	1/9	0	14	0	
3	Nonpareil 2-line Doric, No. 2	3/-	0	9	0	
2	2-line Gt. Prim. Cheque, No. 2	3/-	0	6	0	

WOOD LETTER.

5½ doz. 8-line Condensed	1/9	0	9	8
5½ „ 8-line Doric	1/9	0	9	8
5½ „ 8-line Ionic, No. 2	2/3	0	12	5
5½ „ 10-line Ionic Compressed	2/-	0	11	0
5½ „ 10-line Expanded	2/6	0	13	9
5½ „ 10-line Roman	2/-	0	11	0
5½ „ 14-line Condensed	2/6	0	13	9
5½ „ 16-line Antique Comp., No. 2	2/9	0	15	2
5½ „ 18-line Condensed Roman	3/-	0	16	6
5½ „ 20-line Antique Comp., No. 2	3/6	0	19	3

BORDERS, LEADS, BRASS RULE, &c.

4 lbs. 2-line English Border	1/9	0	7	0
2 „ Pica Border	3/-	0	6	0
1 „ Nonpareil Border	5/6	0	5	6
40 „ 4 to pica Leads	-6	1	0	0
5 „ 8 to pica	1/-	0	5	0
4 sets Corners, various		0	10	0
1 each Royal Arms, 1017, 1108		0	5	6
1 Brass Rule Case		2	2	0
1 set of Registered Brass Curves		1	1	0
½ dozen each Waved and Dotted Rule		0	5	0
½ dozen Double Wood Rule, assorted		0	6	0
2 casts each 'Bought of' 'Recd. from'		0	5	0
30 lbs. Metal Furniture	-/7	0	17	6
Ornamental Dashes, assorted		0	4	0

PRESS DEPARTMENT.

1 Demy Albion Press	..	...	10	0	0
1 Inking Table, Ink Brayer, and Slice			2	12	6	
1 Demy Roller, complete	...	...	0	16	0
1 Demy Folio Roller, complete	...	...	0	10	0
1 pair Demy Parchments	...	...	0	4	6
1 each Medium and Fine Demy Blankets			0	9	0	
2 pair Spring Points	1/6	0	3	0
Hammer and Oil Can	...	...	0	4	6
Bank and Horse	...	...	0	16	0
1 Pair Demy Wetting Boards	..	...	0	7	6
1 Pair Demy Letter Boards...	..	...	0	9	0
1 dozen Black Ink	1/-	0	12	0
1/2 dozen ditto superior	2/6	0	15	0
1 Medium Lye Brush & 1 Pick Brush			0	7	0	

£152 9 7

EDGE TOOLS.

LIGHT WEEDING HOES.

Bright. Half		Sempr.		No.		Weight	
	Br.	Sempr.	No.			Per doz.	doz.
11/6	9 6	7/9	6'0	4 in. by 5½	10 lbs.	8 6	
12 6	10/-	8/-	5'0	4½ " 6	11 " 9/-		
13 6	10 6	8 6	4 0	5 " 6	12 " 10 6		
14 6	11 6	9 6	6 0	6 " 7	13 " 11 6		
15 6	12 6	10 6	6 0	7 " 7½	14 " 12 6		
17 6	13 6	11 6	6 0	8 " 8	21 " 14 6		
18 6	14 6	11 6	1 0	9 " 8	22 " 15 6		
19 6	15 6	11 9	2 0	10 " 9	23 " 16 6		
20 6	16 6	12 6	3 0	11 " 9½	24 " 17 6		
22 6	17 6	13 6	4 0	12 " 10	25 " 18 6		
—	19 6	15 6	5 0	9 " 10½	36 " 17 6		
—	21 6	17 6	6 0	9½ " 11	43 " 19 6		
—	—	19/-	7 10	11½ " 11½	47 " 21 6		
—	—	21/-	8 10½	12 " 12	52 " 23 6		

STRONG CAROLINA HOES.

No.	Weight per doz.
0000 6 inch by 7	10 1/2
000 6 1/2 " 7 1/2	11
00 7 " 8	12
0 7 1/2 " 8 1/2	13
1 8 " 9	14
3 9 " 10	15
4 9 1/2 " 10	16

PATENT CAROLINA NCES.

0	6½ inch by 6½	20 lbs.	18
0	7 " 7	23 "	20
1	8 " 7½	26 "	22
2	8½ " 8	31 "	24

HILLING HOES.

10.6	0	7 inch by 5	21 lbs...	12
11/9	1	7½ "	5½ 26 "	13
13 0	2	8 "	6 32 "	14
15.6	3	8½ "	6½ 38 "	15
17.6	4	9 "	7 44 "	16

WEST INDIA HOES.

0	7	inch by 7½	26	11	1
1	7½	"	32	"	15/-
2	8	"	38	"	17/-
3	8½	"	44	"	19/-
4	9	"	50	"	21/-

WEST INDIA P & HOES.

BEST STEEL TEMPERED.

0	7	inch	by	5½	30	lbs.	...	18/-
1	7½	"		6	36	"	...	20/-
2	8	"		6½	42	"	...	22/-
3	8½	"		7	48	"	.	24/-
4	9	"		7½	54	"	.	26/-

GRUBBING HOES.

1	7 inch by 3 $\frac{3}{4}$	32 lbs.	17/-
2	7 $\frac{1}{2}$ " 4	38 "	19/-
3	8 " 4	44 "	21/-
4	8 $\frac{1}{2}$ " 4	50 "	23/-

DÈMERARA HOES.

00	5½ inch by 6½	15 lbs.	10
0	6 "	7 "	11
1	6½ "	7½ "	12
2	7 "	8 "	13
3	7½ "	8½ "	14

SEMPER GRUBBING HOES.	No. 1, 11	2, 10	3, 15	4, 20	per dozen.
REG OX TONGUE HOES.	No. 2, 19 6	3, 22	per dozen.		
SQUARE ENDS	No. 2, 20 6	3, 25			

IMPROVED PLANTERS' HOES, CAST STEEL.

No.		Per doz.		per doz.	Per doz.	
0	7 inch by 5 $\frac{1}{2}$		Half Bright	Bright) Nett.
1	7 $\frac{1}{2}$ " 6		" "	"		
2	8 " 6 $\frac{1}{2}$		" "	"		
3	8 $\frac{1}{2}$ " 7		" "	"		
4	9 " 7 $\frac{1}{2}$		" "	"		
5	9 $\frac{1}{2}$ " 8		" "	"		

AXES.

	00	0	1	2	3	per dozen.
Coopers' ...	22 -	23/-	25/-	27/-	29/-	
Ship Carpenters' and Wheelwrights'	-5½ per lb.
Kentish and House Carpenters'	2 lbs. -/6	2½ to 3½	-5½	"
Ditto, steel-polled	2 lbs. -/6½	2½ to 3½	-/5½	"
Falling	-/4½
Ditto, steel-polled	-/4½
American Falling or Wedge Axes, steel-polled	-/6
Pick Axes and Mattocks	29 6	per cwt.
S.S. Round-eye Ceylon Axes	2½ to 3½ lbs.	-/5	per lb.

ADZES.

Coopers' and House Carpenters' Adzes	1	8	20/-	per dozen.
Ship Carpenters' ditto	2	6		
Throated ditto	2	6		
Coopers' Hovels	12	1	12/-	"
Coopers' Drivers 12/-				
Ditto Bolsters, 7/-				
Punches, 7/-				
Flagging Irons, 12/- per dozen.				
Bright Caulking Irons, 9/- per dozen.				
Frees or Cleavers, - 4 ¹				per lb.

No. 1 Steel Socket Cultivators ... 24 lbs. 20/- 2½ lbs. 24 9,
 No. 1 Scrapers ... 12 inch, 11/- 14, 11/9 16, 12/- 18, 12/9 20, 13/6.
 Blued Brushing Bill, 13 inch handle, 14/6 per dozen.
 Solid Steel Marl Hoes, 6 lbs., 31/9 per dozen. Ditto Pecks, 6½ lbs., 20/- per dozen.

EDGE TOOLS (continued).

HATCHETS.

[illegible]

DRAWING KNIVES.

10 inch, 10/6 11, 11/6 12, 12/6 13, 13/6 14, 14/6 15, 15/6 16, 16/6 doz.
Coopers' ditto, 10 inch, 12/6.

BUTCHERS' CLEAVERS.

Iron handles, bright, -/6 per lb.

Wood Handles	5 inch.	11/6	5½, 12/6	6, 13/6	6½, 14/6	7, 15/6	per doz
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SUGAR CANE BILLS.

	No.	1	2	3	4	
Bright Bills	...	15/-	16/6	18/-	19/6	per dozen.
Black ditto	...	14 -	15/6	17/-	—	"
Long Black (Mauritius) Cane Bills		14/3	15/9	16/6	—	"

PATENT GARDEN HOES.

	2	3	4	5	6	7	8	inches.
Garden Hoes ...	3/-	4/6	6/-	7/-	7/6	8/-	9/-	per doz.
Ditto ditto, long neck, 1/- per dozen extra.								
Triangular Hoes, -/2 per inch.								
Dutch and Kent Hop Hoes, -/1½ per inch.								

IRON GARDEN RAKES.

	6	8	10	12	14	16	teeth.
	4/9	5/9	6/9	7/9	8/9	9/9	per doz.
Oval Tooth	6/-	8/-	10/-	12/-	14/-	16/-	"

TROWELS.

	8	9	10	11	12	inches.
Cast Steel solid Tangs ...	16/-	18/-	20/-	22/-	24/-	per dozen.
Ditto, Patent Rivetted ...	14/-	16/-	18/-	20/-	22/-	"
Ditto, Plastering ...	—	—	18/-	20/-	22/-	"
Common Brick ...	7/6	8/6	9/-	10/-	11/-	"
Irish Masons' ... No. 1,	8/-	2, 8 6	3, 9/-	4, 10/-		per dozen.
Garden Trowel . . . 6 inch 5 6	6 1/2, 6	per doz.				Ground points, -6 per doz. extra

LADLES.

3 inch, 5/- 3½, 6/- 4, 7/- 4½, 8/- 5, 9/- per doz. Strong for Foundries, -/4½ per lb.

HAMMERS:

Smiths', Sledge, and Stone Hammers, 35¢ per cwt.

Mining Hammers (iron), 6 lbs. and upwards, 20/- per cwt. over 2 tons

SHIP SCRAPERS.

		4½	5	5½	inches.
Wood Handles with tangs rivetted	..	7 6	8 0	8 6	per dozen.
Ditto ditto with ditto screwed	...	8 6	9 0	9 6	"
Ditto ditto with sockets rivetted	...	8 6	9 0	9 6	"
Ditto ditto with ditto screwed	...	9 0	9 9	10 3	"
Iron Handles rivetted		9 0	9 6	10 0	"
Ditto ditto screwed	..	9 9	10 3	10 9	"
Single leaf or bent Ship Scrapers	... ..	...	...	9 0	"

TACKLE HOOKS. AND THIMBLES.

No. 00	0	1	2	3	4	5	6	
$\cdot/31\frac{1}{2}$	$\cdot/31\frac{1}{2}$	$\cdot/31\frac{1}{4}$	$\cdot/31\frac{1}{4}$	$\cdot/3$	$\cdot/3$	$\cdot/23\frac{3}{4}$	$\cdot/23\frac{3}{4}$	per lb.

SAIL THIMBLES.

1½	1⅝	1¾	1⅞	2	2¼	2½	2¾	3	3¼	3½	3¾	4 inch.
6/-	6/3	7/-	7/6	8/-	8/6	9/3	10/3	11/6	12/9	14/3	16/9	19/9 gross.

Galvanizing, 7/- per cwt. extra.

CARPENTERS' TOOLS.

SAWS.

	10	12	14	16	18	20	22	24	26	28	30	inches.
German Steel Hand Saws												
Do. Grafting Saws ...	24/-	28/-	34/-	40/-	46/-	50/-	56/-	62/-	64/-	70/-	76/-	per doz.
Do. Panel Saws ...												
Do. Ripping Saws ...												
Cast Steel Hand Saws												
Do. Grafting Saws ...	28/-	34/-	42/-	48/-	54/-	58/-	64/-	72/-	74/-	80/-	86/-	per doz.
Do. Panel Saws ...												
Do. Ripping Saws ...												

	8	9	10	12	14	16	18	20	22	inch.
German Steel Iron Back Saws	48/-	48/-	48/-	52/-	56/-	62/-	66/-	68/-	74/-	per doz.
Do. Blue do. ...	50/-	50/-	50/-	54/-	58/-	64/-	68/-	70/-	76/-	per doz.
Cast Steel Iron do. ...	56/-	56/-	56/-	60/-	64/-	72/-	76/-	78/-	84/-	per doz.
Do. Blue do. ...	64/-	64/-	64/-	68/-	72/-	82/-	86/-	88/-	94/-	per doz.
Do. Brass do. ...	72/-	72/-	72/-	80/-	90/-	104/-	112/-	118/-	128/-	per doz.

PLANES.

								Single Iron.	Double Irons.	Cast Steel Brass Nutt Dble. Irons
								s. d.	s. d.	s. d.
Smoothing, to 2in. ...	...	...	...	...	...	...	...	2 6	3 3	3 9
Ditto 2½in. ...	...	...	...	...	...	...	...	2 8	3 6	4 0
Ditto 2½in. ...	...	...	...	...	...	...	...	2 10	3 9	4 3
Ditto 2½in. ...	...	...	...	...	...	...	...	—	4 3	4 9
Ditto 2½in. ...	...	...	...	...	...	...	...	—	4 9	5 3
Jack, to 2in. ...	...	...	...	...	...	...	...	3 6	4 3	4 9
Ditto 2½in. ...	...	...	...	...	...	...	...	3 8	4 6	5 0
Ditto 2½in. ...	...	...	...	...	...	...	...	3 10	4 9	5 3
Ditto 2½in. ...	...	...	...	...	...	...	...	—	5 6	6 0
Ditto 2½in. ...	...	...	...	...	...	...	...	—	5 9	6 6
Panel ...	...	...	...	...	...	...	...	—	5 9	6 6
Ditto, slipped ...	...	...	...	...	...	...	...	—	6 9	7 6
Trying, to 22in. ...	...	...	...	...	...	...	...	5 6	6 3	6 9
Ditto 24in. ...	...	...	...	...	...	...	...	5 9	6 6	7 0
Ditto 26in. ...	...	...	...	...	...	...	...	6 3	7 0	7 6
Ditto 28in. ...	...	...	...	...	...	...	...	6 9	7 6	8 0
Ditto 30in. ...	...	...	...	...	...	...	...	7 3	8 0	8 6
Gentleman's Smoothing ...	...	...	...	...	...	...	...	2 3	—	—
Ditto Jack ...	...	...	...	...	...	...	...	2 10	—	—
Bead Planes, box 1 to ½in. ...	...	...	...	...	...	...	...	2 6	—	—
Ditto ½in. ... 2'9 ½in. ... 3/- 1in. ...	...	...	...	...	...	...	...	3 3	—	—
Ditto, slipped to ½in. ...	...	...	...	...	...	...	...	3 0	—	—
Ditto ½in. ... 3'3 ½in. ... 3'6 1in. ...	...	...	...	...	...	...	...	3 9	—	—

	¼	⅜	½	⅝	¾	⅞	1	inch.
Grooving Planes	6/-	5/6	5/6	5/6	5/6	5/10	6/-	per pair
Every ½in. extra, -/6								

Plough Planes, double plate, one iron	...	...	...	...	...	...	7 0
Ditto ditto three irons, wood stop	...	...	...	...	...	...	8 6
Ditto ditto six irons ditto	...	...	...	...	...	...	10 6
Ditto ditto eight irons, screw stop	...	...	...	...	...	...	15 0

Hollows and Rounds, per pair, to 1½in. or No. 15	...	...	...	...	...	...	4 4
Every ½in. extra -/4							

Half-set ditto of 9 pair	...	...	...	...	...	...	40 0
Set ditto of 18 pair	...	...	...	...	...	...	80 0

CARPENTERS' TOOLS (continued).

HAMMERS.

	No.	0	1	2	3	4	5	6	7	8	9	10	11	12	
Best London Rivetting Hammers ...	8	8	6	1	1	14/-	16/-	18/-	20/-	22/-	25/-	28/-	31/-	34/-	doz.
Bright Kent Hammers, steel faces ...	5/-	6	8	1	12/-	14/-	16/-	18/-	20/-	22/-	—	—	—	—	doz.
Do. Solid Check do.	7	—	10	1	14/-	16/-	18/-	21	24	27	30	33/-	37/-	—	doz.
Bright Solid Check Hammers, steel claw and face ...	9/-	10	12	14/-	16	18/-	20/-	22	26	30	34	38/-	42/-	—	doz.
Bright Scotch Hammers	12	13	15/-	17/-	18	21	23	26	28	31	34	40	44/-	—	doz.
Edinboro' Claw "	—	23/6	25	27	30/-	—	—	—	—	—	—	—	—	—	doz.
Canterbury Hammers	10	6	12/-	14/-	16/-	18/-	21/-	24/-	27/-	30/-	—	—	—	—	doz.
Best Warrington ditto solid steel ...	—	16	17	19/-	21/-	24/-	28/-	31	36/-	40/-	46/-	53/-	59/-	—	doz.

Hammer Handles, 1 6 to 4/- per doz.

	No.	0	1	2	3	4	5	6	
Garden Hammers, with chequered face ...	10/-	12/-	14/-	16/-	18	20	22	—	doz.
American Pattern Hammers, light	—	20/-	22/-	24	26	28	30	—	doz.
Toy Hammers ...	—	8/-	10	12	15	—	—	—	doz.
Common Gentleman's Hammers	—	10	12	15	—	—	—	—	doz.
Gentleman's Claw Hammers	—	10	12	15	—	—	—	—	doz.
Gentleman's Rivetting Hammers	—	10	12	15	—	—	—	—	doz.
Ladies' Claw Hammers	—	10	12	15	—	—	—	—	doz.
Ladies' Rivetting Hammers	—	10	12	15	—	—	—	—	doz.
Carpet Hammers, with Claw in handle	—	10	12	15	—	—	—	—	doz.
Upholsterers' Hammers	—	10	12	15	—	—	—	—	doz.
London Upholsterers' Hammers	—	10	12	15	—	—	—	—	doz.
Saddlers' Hammers	—	10	12	15	—	—	—	—	doz.
Glaziers' Hammers	—	10	12	15	—	—	—	—	doz.
Black Shoe and Cramping Hammers	—	10	12	15	—	—	—	—	doz.
Best Shoe and Cramping Hammers	—	10	12	15	—	—	—	—	doz.
Farriers' Shoring Hammers	—	10	12	15	—	—	—	—	doz.
London Pattern Shoeing Hammers	—	10	12	15	—	—	—	—	doz.
Bright Lath Hammers	—	10	12	15	—	—	—	—	doz.
Best ditto	—	10	12	15	—	—	—	—	doz.

Coal Hammers, handled, 16/- and 20/- per doz.

GIMLETS.

	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	inch.
Cast Steel Shell Spike Gimlets, beechwood head ...	6/-	7/-	8	9	11/-	13	18/-	per doz.
Best do. ditto box heads	8	9	10	12	14/-	17	22	per doz.
Cast Steel Twisted Spike Gimlets ...	10	11	13	16	19	22	—	per doz.
Best do. ditto box heads	11	13	16	19	22	25	—	per doz.
Best Ship Gimlets ...	10	12	15	18	21	24	—	per doz.
Ditto ditto, eyed	11	13	16	19	22	25	—	per doz.
Ditto Wheelers' Gimlets ...	5/-	6	7	8	10	12	16	per doz.
Cast Steel Auger Gimlets ...	9/6	10	11	13	15	18	22	per doz.
Ditto ditto, assorted to $\frac{1}{2}$ in. 11/- per doz.	—	—	—	—	—	—	—	—
Best Cast Steel Long Shell Gimlet, No. 30, assorted	—	—	—	—	—	—	4/-	per doz.
Ditto ditto Twisted ditto " 30, ditto	—	—	—	—	—	—	5/-	per doz.
Cast Steel Long Shell ditto " 20, ditto	—	—	—	—	—	—	3/-	per doz.
Ditto Twisted ditto " 20, ditto	—	—	—	—	—	—	4/-	per doz.
Ditto Shell ditto " 10, ditto	—	—	—	—	—	—	2	per doz.
Ditto Twisted ditto " 10, ditto	—	—	—	—	—	—	3/-	per doz.
Boxhead Copper Rivetted Shell Gimlets, assorted ...	—	—	—	—	—	—	20/-	per gross.
Ditto ditto Twisted ditto	—	—	—	—	—	—	30/-	per gross.
Cast Steel Treble Twisted Gimlets — sorted to $\frac{1}{2}$ in. ...	—	—	—	—	—	—	4	per doz.
Fine Sprig Gimlets, same price as assorted Gimlets.	—	—	—	—	—	—	—	—
Best Cast Steel Shell Gimlets ...	3	4	3	4	5	6	7	per doz.
Ditto ditto Twisted ditto ...	4	4	4	5	5	6	7	per doz.
Bell Hangers' Long Cast Steel Shell Gimlets, boxwood heads, all sizes up to $\frac{1}{2}$ in. ...	—	—	—	—	—	11/-	14	20/- per doz.
Boat Builders' Short Gimlets, without heads ...	—	—	—	—	—	3	4	doz.
Brewers' London Pattern Cast Steel Shell Gimlets, boxwood heads ...	—	—	—	—	—	10	11	per doz.
Ditto ditto ditto Twisted ditto	—	—	—	—	—	10	11	per doz.
EXTRAS—Gimlets, with improved heads, 2/- per gross extra.	—	—	—	—	—	—	—	—

CARPENTERS' TOOLS (continued)

AUGER'S.

Capenters Shell Augers	9	9	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6	10/6
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SCREW AUGER BRACE BITS:

Builder's Screws	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916	918	920	922	924	926	928	930	932	934	936	938	940	942	944	946	948	950	952	954	956	958	960	962	964	966	968	970	972	974	976	978	980	982	984	986	988	990	992	994	996	998	1000
Builder's Screws	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916	918	920	922	924	926	928	930	932	934	936	938	940	942	944	946	948	950	952	954	956	958	960	962	964	966	968	970	972	974	976	978	980	982	984	986	988	990	992	994	996	998	1000
Builder's Screws	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916	918	920	922	924	926	928	930	932	934	936	938	940	942	944	946	948	950	952	954	956	958	960	962	964	966	968	970	972	974	976	978	980	982	984	986	988	990	992	994	996	998	1000
Builder's Screws	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160																																																																																																																																																																																																																																																																																																																																																																																																																																				

All kinds of Augers, to work by machinery, made to Drawings or Patterns.

TAP AND BUNG BORERS.

	1	1½	11	18	2	2½	3	4 inches,
Tap Borers, all Steel	12/-	13/-	17/-	24/-	40 -	64	93	—
Ditto handled	15 6	16 6	20 6	28 6	50	70	100	per dozen.
Bung Borers					34 -	64 6	92 -	"
Ditto handled					70	106	140 -	"

CARPENTERS' TOOLS (continued).

CAST STEEL CHISELS AND GOUGES.

Cast Steel Firmer Chisels	...	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
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Short Firmer (chisels (1 inch to be 5½ inch to bolster)	...	43	43	43	5/8	6/3	6/9	1	11	14	1	11	12	14	1	34	in. lb.
Ditto Golages		5	5	5	5/8	7/3	7/9	1	11	9		11	12	14	1	34	in. lb.
Long Firmer Chisels (1 inch to be 6¾ inch to bolster)	...	56	56	56	6/8	7/6	6/9	1	11	10		11	12	14	1	34	in. lb.
Ditto Golages		63	63	63	6/8	8/6	7/9	1	11	11		11	12	14	1	34	in. lb.

CAST STEEL SOCKET CHISELS AND GOUGES.

	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	16	16 1/2	17	17 1/2	18	18 1/2	19	19 1/2	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	24	24 1/2	25	25 1/2	26	26 1/2	27	27 1/2	28	28 1/2	29	29 1/2	30	30 1/2	31	31 1/2	32	32 1/2	33	33 1/2	34	34 1/2	35	35 1/2	36	36 1/2	37	37 1/2	38	38 1/2	39	39 1/2	40	40 1/2	41	41 1/2	42	42 1/2	43	43 1/2	44	44 1/2	45	45 1/2	46	46 1/2	47	47 1/2	48	48 1/2	49	49 1/2	50	50 1/2	51	51 1/2	52	52 1/2	53	53 1/2	54	54 1/2	55	55 1/2	56	56 1/2	57	57 1/2	58	58 1/2	59	59 1/2	60	60 1/2	61	61 1/2	62	62 1/2	63	63 1/2	64	64 1/2	65	65 1/2	66	66 1/2	67	67 1/2	68	68 1/2	69	69 1/2	70	70 1/2	71	71 1/2	72	72 1/2	73	73 1/2	74	74 1/2	75	75 1/2	76	76 1/2	77	77 1/2	78	78 1/2	79	79 1/2	80	80 1/2	81	81 1/2	82	82 1/2	83	83 1/2	84	84 1/2	85	85 1/2	86	86 1/2	87	87 1/2	88	88 1/2	89	89 1/2	90	90 1/2	91	91 1/2	92	92 1/2	93	93 1/2	94	94 1/2	95	95 1/2	96	96 1/2	97	97 1/2	98	98 1/2	99	99 1/2	100	100 1/2	101	101 1/2	102	102 1/2	103	103 1/2	104	104 1/2	105	105 1/2	106	106 1/2	107	107 1/2	108	108 1/2	109	109 1/2	110	110 1/2	111	111 1/2	112	112 1/2	113	113 1/2	114	114 1/2	115	115 1/2	116	116 1/2	117	117 1/2	118	118 1/2	119	119 1/2	120	120 1/2	121	121 1/2	122	122 1/2	123	123 1/2	124	124 1/2	125	125 1/2	126	126 1/2	127	127 1/2	128	128 1/2	129	129 1/2	130	130 1/2	131	131 1/2	132	132 1/2	133	133 1/2	134	134 1/2	135	135 1/2	136	136 1/2	137	137 1/2	138	138 1/2	139	139 1/2	140	140 1/2	141	141 1/2	142	142 1/2	143	143 1/2	144	144 1/2	145	145 1/2	146	146 1/2	147	147 1/2	148	148 1/2	149	149 1/2	150	150 1/2	151	151 1/2	152	152 1/2	153	153 1/2	154	154 1/2	155	155 1/2	156	156 1/2	157	157 1/2	158	158 1/2	159	159 1/2	160	160 1/2	161	161 1/2	162	162 1/2	163	163 1/2	164	164 1/2	165	165 1/2	166	166 1/2	167	167 1/2	168	168 1/2	169	169 1/2	170	170 1/2	171	171 1/2	172	172 1/2	173	173 1/2	174	174 1/2	175	175 1/2	176	176 1/2	177	177 1/2	178	178 1/2	179	179 1/2	180	180 1/2	181	181 1/2	182	182 1/2	183	183 1/2	184	184 1/2	185	185 1/2	186	186 1/2	187	187 1/2	188	188 1/2	189	189 1/2	190	190 1/2	191	191 1/2	192	192 1/2	193	193 1/2	194	194 1/2	195	195 1/2	196	196 1/2	197	197 1/2	198	198 1/2	199	199 1/2	200	200 1/2	201	201 1/2	202	202 1/2	203	203 1/2	204	204 1/2	205	205 1/2	206	206 1/2	207	207 1/2	208	208 1/2	209	209 1/2	210	210 1/2	211	211 1/2	212	212 1/2	213	213 1/2	214	214 1/2	215	215 1/2	216	216 1/2	217	217 1/2	218	218 1/2	219	219 1/2	220	220 1/2	221	221 1/2	222	222 1/2	223	223 1/2	224	224 1/2	225	225 1/2	226	226 1/2	227	227 1/2	228	228 1/2	229	229 1/2	230	230 1/2	231	231 1/2	232	232 1/2	233	233 1/2	234	234 1/2	235	235 1/2	236	236 1/2	237	237 1/2	238	238 1/2	239	239 1/2	240	240 1/2	241	241 1/2	242	242 1/2	243	243 1/2	244	244 1/2	245	245 1/2	246	246 1/2	247	247 1/2	248	248 1/2	249	249 1/2	250	250 1/2	251	251 1/2	252	252 1/2	253	253 1/2	254	254 1/2	255	255 1/2	256	256 1/2	257	257 1/2	258	258 1/2	259	259 1/2	260	260 1/2	261	261 1/2	262	262 1/2	263	263 1/2	264	264 1/2	265	265 1/2	266	266 1/2	267	267 1/2	268	268 1/2	269	269 1/2	270	270 1/2	271	271 1/2	272	272 1/2	273	273 1/2	274	274 1/2	275	275 1/2	276	276 1/2	277	277 1/2	278	278 1/2	279	279 1/2	280	280 1/2	281	281 1/2	282	282 1/2	283	283 1/2	284	284 1/2	285	285 1/2	286	286 1/2	287	287 1/2	288	288 1/2	289	289 1/2	290	290 1/2	291	291 1/2	292	292 1/2	293	293 1/2	294	294 1/2	295	295 1/2	296	296 1/2	297	297 1/2	298	298 1/2	299	299 1/2	300	300 1/2	301	301 1/2	302	302 1/2	303	303 1/2	304	304 1/2	305	305 1/2	306	306 1/2	307	307 1/2	308	308 1/2	309	309 1/2	310	310 1/2	311	311 1/2	312	312 1/2	313	313 1/2	314	314 1/2	315	315 1/2	316	316 1/2	317	317 1/2	318	318 1/2	319	319 1/2	320	320 1/2	321	321 1/2	322	322 1/2	323	323 1/2	324	324 1/2	325	325 1/2	326	326 1/2	327	327 1/2	328	328 1/2	329	329 1/2	330	330 1/2	331	331 1/2	332	332 1/2	333	333 1/2	334	334 1/2	335	335 1/2	336	336 1/2	337	337 1/2	338	338 1/2	339	339 1/2	340	340 1/2	341	341 1/2	342	342 1/2	343	343 1/2	344	344 1/2	345	345 1/2	346	346 1/2	347	347 1/2	348	348 1/2	349	349 1/2	350	350 1/2	351	351 1/2	352	352 1/2	353	353 1/2	354	354 1/2	355	355 1/2	356	356 1/2	357	357 1/2	358	358 1/2	359	359 1/2	360	360 1/2	361	361 1/2	362	362 1/2	363	363 1/2	364	364 1/2	365	365 1/2	366	366 1/2	367	367 1/2	368	368 1/2	369	369 1/2	370	370 1/2	371	371 1/2	372	372 1/2	373	373 1/2	374	374 1/2	375	375 1/2	376	376 1/2	377	377 1/2	378	378 1/2	379	379 1/2	380	380 1/2	381	381 1/2	382	382 1/2	383	383 1/2	384	384 1/2	385	385 1/2	386	386 1/2	387	387 1/2	388	388 1/2	389	389 1/2	390	390 1/2	391	391 1/2	392	392 1/2	393	393 1/2	394	394 1/2	395	395 1/2	396	396 1/2	397	397 1/2	398	398 1/2	399	399 1/2	400	400 1/2	401	401 1/2	402	402 1/2	403	403 1/2	404	404 1/2	405	405 1/2	406	406 1/2	407	407 1/2	408	408 1/2	409	409 1/2	410	410 1/2	411	411 1/2	412	412 1/2	413	413 1/2	414	414 1/2	415	415 1/2	416	416 1/2	417	417 1/2	418	418 1/2	419	419 1/2	420	420 1/2	421	421 1/2	422	422 1/2	423	423 1/2	424	424 1/2	425	425 1/2	426	426 1/2	427	427 1/2	428	428 1/2	429	429 1/2	430	430 1/2	431	431 1/2	432	432 1/2	433	433 1/2	434	434 1/2	435	435 1/2	436	436 1/2	437	437 1/2	438	438 1/2	439	439 1/2	440	440 1/2	441	441 1/2	442	442 1/2	443	443 1/2	444	444 1/2	445	445 1/2	446	446 1/2	447	447 1/2	448	448 1/2	449	449 1/2	450	450 1/2	451	451 1/2	452	452 1/2	453	453 1/2	454	454 1/2	455	455 1/2	456	456 1/2	457	457 1/2	458	458 1/2	459	459 1/2	460	460 1/2	461	461 1/2	462	462 1/2	463	463 1/2	464	464 1/2	465	465 1/2	466	466 1/2	467	467 1/2	468	468 1/2	469	469 1/2	470	470 1/2	471	471 1/2	472	472 1/2	473	473 1/2	474	474 1/2	475	475 1/2	476	476 1/2	477	477 1/2	478	478 1/2	479	479 1/2	480	480 1/2	481	481 1/2	482	482 1/2	483	483 1/2	484	484 1/2	485	485 1/2	486	486 1/2	487	487 1/2	488	488 1/2	489	489 1/2	490	490 1/2	491	491 1/2	492	492 1/2	493	493 1/2	494	494 1/2	495	495 1/2	496	496 1/2	497	497 1/2	498	498 1/2	499	499 1/2	500	500 1/2	501	501 1/2	502	502 1/2	503	503 1/2	504	504 1/2	505	505 1/2	506	506 1/2	507	507 1/2	508	508 1/2	509	509 1/2	510	510 1/2	511	511 1/2	512	512 1/2	513	513 1/2	514	514 1/2	515	515 1/2	516	516 1/2	517	517 1/2	518	518 1/2	519	519 1/2	520	520 1/2	521	521 1/2	522	522 1/2	523	523 1/2	524	524 1/2	525	525 1/2	526	526 1/2	527	527 1/2	528	528 1/2	529	529 1/2	530	530 1/2	531	531 1/2	532	532 1/2	533	533 1/2	534	534 1/2	535	535 1/2	536	536 1/2	537	537 1/2	538	538 1/2	539	539 1/2	540	540 1/2	541	541 1/2	542	542 1/2	543	543 1/2	544	544 1/2	545	545 1/2	546	546 1/2	547	547 1/2	548	548 1/2	549	549 1/2	550	550 1/2	551	551 1/2	552	552 1/2	553	553 1/2	554	554 1/2	555	555 1/2	556	556 1/2	557	557 1/2	558	558 1/2	559	559 1/2	560	560 1/2	561	561 1/2	562	562 1/2	563	563 1/2	564	564 1/2	565	565 1/2	566	566 1/2	567	567 1/2	568	568 1/2	569	569 1/2	570	570 1/2	571	571 1/2	572	572 1/2	573	573 1/2	574	574 1/2	575	575 1/2	576	576 1/2	577	577 1/2	578	578 1/2	579	579 1/2	580	580 1/2	581	581 1/2	582	582 1/2	583	583 1/2	584	584 1/2	585	585 1/2	586	586 1/2	587	587 1/2	588	588 1/2	589	589 1/2	590	590 1/2	591	591 1/2	592	592 1/2	593	593 1/2	594	594 1/2	595	595 1/2	596	596 1/2	597	597 1/2	598	598 1/2	599	599 1/2	600	600 1/2	601	601 1/2	602	602 1/2	603	603 1/2	604	604 1/2	605	605 1/2	606	606 1/2	607	607 1/2	608	608 1/2	609	609 1/2	610	610 1/2	611	611 1/2	612	612 1/2	613	613 1/2	614	614 1/2	615	615 1/2	616	616 1/2	617	617 1/2	618	618 1/2	619	619 1/2	620	620 1/2	621	621 1/2	622	622 1/2	623	623 1/2	624	624 1/2	625	625 1/2	626	626 1/2	627	627 1/2	628	628 1/2	629	629 1/2	630	63
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TURNING CHISELS AND GOUGES.

C.S. Turning Chisels (1 inch to be 10½ inches over all)</
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CARPENTERS' TOOLS (continued).

MORTICE CHISELS.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Common Mortice	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Best Joiners' and Cabinet Mortice	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Cast Steel ditto	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Improved Sash Mortice, all steel, and solid steel end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Common Socket Mortice	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Cast Steel ditto	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Lock Mortice	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Improved Lock Mortice, tang or socket	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Per set of 6, 4/9; of 8, 6/9 per set.

Per set of 8, to 1 1/8 inch, 10/6; to 1 1/2 inch, 10/9; if handled, 6/6 extra per set of 8.

CHISEL HANDLES.

	Beech.	Ash.	Boxwood.
Octagon Chisel Handles, assorted to 1 inch	1	16	30
Ditto ditto with brass ferrules, assorted to 1 inch	20	21	40/-
Round Shaped ditto ditto	20	21	42'
Octagon and Turned ditto ditto	24	25	48
Ditto ditto extra work, assorted to 1 inch	28	29	50
Ditto ditto Fancy ditto	34	35	60/-
Socket Chisel Handles, assorted to 1½ inch	17	19	...
Ditto ditto with iron ferrules	31	30	...
Mortice Chisel Handles, assorted to 1⅞ inch	52	...	...
EYEPAN. Chisel Handles, assorted larger than specified, to be charged extra.			
	43	44	54
Best Polished Straight File Handles, brass ferrules	90	10	14
Ditto Shaped ditto	...	...	15
Shaped Polished Iron Ferrules, assorted, 12/-	...	...	17
			inch.
			per gross.

CARPENTERS' TOOLS (continued).

BRACES.

Best Plain Beech Braces	9	0
Improved Plated Beech Braces	1	0
Ditto ditto ditto with Brass Neck Head	1	0
Ebony ditto ditto ditto ditto	1	0
Boxwood ditto ditto ditto ditto	27	0
Rosewood ditto ditto ditto ditto	27	0
Improved Wrought Scotch Iron Brace	14	0
Coopers' Braces ...	4	0
Best Coopers' Braces	4	0
Ditto ditto Iron Brace, with Lignum Head	1	0
Malleable Scotch Iron Braces...	1	0
Best ditto ditto	10	0
Wagon Builders' Iron Brace ...	12	0
American Pattern Brace, hardwood handle, 3in. sweep	12	0
Best Brace Pads...	28	0

BEST BRACES,

WITH BITS COMPLETE.

Lignum Head Best Plain Braces, Polished 9/- each.

	With 12	18	24	30	36	42	48	54	60	bits.
Cast Steel Black Bits, sharpened										
and bright insides ...	14/8	17/6	20/4	23/4	27/-	29/6	33/-	36/6	40/-	each.
Ditto Bright Bits ...	15/3	18/4	21/6	24/9	28/9	31/7	35/4	39/2	42/10	"
Ditto Straw Coloured Bits	15/11	19/4	22/10	26/5	30/9	33/11	38/-	42/2	46/2	"

If with Improved Ebony Head and Brass Neck, 2/- each extra to Lignum Heads.

If with all Ebony Head, 1/- each extra to Lignum Heads.

Lignum Head Improved Plated Braces, Polished, 13/- each.

	With 12	18	24	30	36	42	48	54	60	bits.
Cast Steel Black Bits, sharpened										
and bright insides ...	18/8	21/6	24/4	27/4	31/-	33/6	37/-	40/6	44/-	each.
Ditto Bright Bits ...	19/3	22/4	25/6	28/9	32/9	35/7	39/4	43/2	46/10	"
Ditto Straw Coloured Bits	19/11	23/4	26/10	30/5	34/9	37/11	42/-	46/2	50/2	"

Improved Plated Braces, Polished, with Improved Brass Necks, 15/- each.

	With 12	18	24	30	36	42	48	54	60	bits.
Cast Steel Black Bits, sharpened										
and bright insides ...	20/8	23/6	26/4	29/4	33/-	35/6	39/-	42/6	46/-	each.
Ditto Bright Bits ...	21/3	24/4	27/6	30/9	34/9	37/7	41/4	45/2	48/10	"
Ditto Straw Coloured Bits	21/11	25/4	28/10	32/5	36/9	39/11	44/-	48/2	52/2	"

Lignum Head Improved Scotch Iron Braces, 14/- each.

	With 12	18	24	30	36	42	48	54	60	bits.
Cast Steel Black Bits, sharpened										
and bright insides ...	18/10	21/9	24/9	27/9	31/9	34/-	37/9	41/6	45/-	each.
Ditto Bright Bits ...	19/5	22/7	25/11	29/2	33/6	36/1	40/1	44/2	47/10	"
Ditto Straw Coloured	20/1	23/7	27/3	30/10	35/6	38/5	42/9	47/2	51/2	"

Improved Scotch Iron Braces, with Improved Brass Necks, 16/- each.

	With 12	18	24	30	36	42	48	54	60	bits.
Cast Steel Black Bits, sharpened										
and bright insides ...	20/10	23/9	26/9	29/9	33/9	36/-	39/9	43/6	47/-	each.
Ditto Bright Bits ...	21/5	24/7	27/11	31/2	35/6	38/1	42/1	46/2	49/10	"
Ditto Straw Coloured Bits	22/1	25/7	29/3	32/10	37/6	40/5	44/9	49/2	53/2	"

EXTRAS Boxwood or Rosewood Braces, 12/- extra to Plated Beechwood.

Ebony ditto ditto 16/- ditto ditto

Best Brass Collars to Sash Bits, 1/6 per pair.

BRAD AWLS AND HANDLES.

French Polished Round Handled Brad Awls, assorted	...	...	...	...	14/8	per gross.
Oval ditto ditto ditto ditto	...	...	...	...	17/4	"
Round Brad Awl Handles, assorted	...	...	...	...	10/8	"
Oval ditto ditto	...	...	...	...	13/4	"
If assorted larger than usual, to be charged as follows:—						
1	1 1/8	1 1/4	1 1/2	1 3/4	1 7/8	2
2	2 1/8	2 1/4	2 1/2	2 3/4	2 7/8	3
3	3 1/8	3 1/4	3 1/2	3 3/4	3 7/8	4
4	4 1/8	4 1/4	4 1/2	4 3/4	4 7/8	5
5	5 1/8	5 1/4	5 1/2	5 3/4	5 7/8	6
6	6 1/8	6 1/4	6 1/2	6 3/4	6 7/8	7
7	7 1/8	7 1/4	7 1/2	7 3/4	7 7/8	8
8	8 1/8	8 1/4	8 1/2	8 3/4	8 7/8	9
9	9 1/8	9 1/4	9 1/2	9 3/4	9 7/8	10
10	10 1/8	10 1/4	10 1/2	10 3/4	10 7/8	11
11	11 1/8	11 1/4	11 1/2	11 3/4	11 7/8	12
12	12 1/8	12 1/4	12 1/2	12 3/4	12 7/8	13
13	13 1/8	13 1/4	13 1/2	13 3/4	13 7/8	14
14	14 1/8	14 1/4	14 1/2	14 3/4	14 7/8	15
15	15 1/8	15 1/4	15 1/2	15 3/4	15 7/8	16
16	16 1/8	16 1/4	16 1/2	16 3/4	16 7/8	17
17	17 1/8	17 1/4	17 1/2	17 3/4	17 7/8	18
18	18 1/8	18 1/4	18 1/2	18 3/4	18 7/8	19
19	19 1/8	19 1/4	19 1/2	19 3/4	19 7/8	20
20	20 1/8	20 1/4	20 1/2	20 3/4	20 7/8	21
21	21 1/8	21 1/4	21 1/2	21 3/4	21 7/8	22
22	22 1/8	22 1/4	22 1/2	22 3/4	22 7/8	23
23	23 1/8	23 1/4	23 1/2	23 3/4	23 7/8	24
24	24 1/8	24 1/4	24 1/2	24 3/4	24 7/8	25
25	25 1/8	25 1/4	25 1/2	25 3/4	25 7/8	26
26	26 1/8	26 1/4	26 1/2	26 3/4	26 7/8	27
27	27 1/8	27 1/4	27 1/2	27 3/4	27 7/8	28
28	28 1/8	28 1/4	28 1/2	28 3/4	28 7/8	29
29	29 1/8	29 1/4	29 1/2	29 3/4	29 7/8	30
30	30 1/8	30 1/4	30 1/2	30 3/4	30 7/8	31
31	31 1/8	31 1/4	31 1/2	31 3/4	31 7/8	32
32	32 1/8	32 1/4	32 1/2	32 3/4	32 7/8	33
33	33 1/8	33 1/4	33 1/2	33 3/4	33 7/8	34
34	34 1/8	34 1/4	34 1/2	34 3/4	34 7/8	35
35	35 1/8	35 1/4	35 1/2	35 3/4	35 7/8	36
36	36 1/8	36 1/4	36 1/2	36 3/4	36 7/8	37
37	37 1/8	37 1/4	37 1/2	37 3/4	37 7/8	38
38	38 1/8	38 1/4	38 1/2	38 3/4	38 7/8	39
39	39 1/8	39 1/4	39 1/2	39 3/4	39 7/8	40
40	40 1/8	40 1/4	40 1/2	40 3/4	40 7/8	41
41	41 1/8	41 1/4	41 1/2	41 3/4	41 7/8	42
42	42 1/8	42 1/4	42 1/2	42 3/4	42 7/8	43
43	43 1/8	43 1/4	43 1/2	43 3/4	43 7/8	44
44	44 1/8	44 1/4	44 1/2	44 3/4	44 7/8	45
45	45 1/8	45 1/4	45 1/2	45 3/4	45 7/8	46
46	46 1/8	46 1/4	46 1/2	46 3/4	46 7/8	47
47	47 1/8	47 1/4	47 1/2	47 3/4	47 7/8	48
48	48 1/8	48 1/4	48 1/2	48 3/4	48 7/8	49
49	49 1/8	49 1/4	49 1/2	49 3/4	49 7/8	50
50	50 1/8	50 1/4	50 1/2	50 3/4	50 7/8	51
51	51 1/8	51 1/4	51 1/2	51 3/4	51 7/8	52
52	52 1/8	52 1/4	52 1/2	52 3/4	52 7/8	53
53	53 1/8	53 1/4	53 1/2	53 3/4	53 7/8	54
54	54 1/8	54 1/4	54 1/2	54 3/4	54 7/8	55
55	55 1/8	55 1/4	55 1/2	55 3/4	55 7/8	56
56	56 1/8	56 1/4	56 1/2	56 3/4	56 7/8	57
57	57 1/8	57 1/4	57 1/2	57 3/4	57 7/8	58
58	58 1/8	58 1/4	58 1/2	58 3/4	58 7/8	59
59	59 1/8	59 1/4	59 1/2	59 3/4	59 7/8	60
60	60 1/8	60 1/4	60 1/2	60 3/4	60 7/8	61
61	61 1/8	61 1/4	61 1/2	61 3/4	61 7/8	62
62	62 1/8	62 1/4	62 1/2	62 3/4	62 7/8	63
63	63 1/8	63 1/4	63 1/2	63 3/4	63 7/8	64
64	64 1/8	64 1/4	64 1/2	64 3/4	64 7/8	65
65	65 1/8	65 1/4	65 1/2	65 3/4	65 7/8	66
66	66 1/8	66 1/4	66 1/2	66 3/4	66 7/8	67
67	67 1/8	67 1/4	67 1/2	67 3/4	67 7/8	68
68	68 1/8	68 1/4	68 1/2	68 3/4	68 7/8	69
69	69 1/8	69 1/4	69 1/2	69 3/4	69 7/8	70
70	70 1/8	70 1/4	70 1/2	70 3/4	70 7/8	71
71	71 1/8	71 1/4	71 1/2	71 3/4	71 7/8	72
72	72 1/8	72 1/4	72 1/2	72 3/4	72 7/8	73
73	73 1/8	73 1/4	73 1/2	73 3/4	73 7/8	74
74	74 1/8	74 1/4	74 1/2	74 3/4	74 7/8	75
75	75 1/8	75 1/4	75 1/2	75 3/4	75 7/8	76
76	76 1/8	76 1/4	76 1/2	76 3/4	76 7/8	77
77	77 1/8	77 1/4	77 1/2	77 3/4	77 7/8	78
78	78 1/8	78 1/4	78 1/2	78 3/4	78 7/8	79
79	79 1/8	79 1/4	79 1/2	79 3/4	79 7/8	80
80	80 1/8	80 1/4	80 1/2	80 3/4	80 7/8	81
81	81 1/8	81 1/4	81 1/2	81 3/4	81 7/8	82
82	82 1/8	82 1/4	82 1/2	82 3/4	82 7/8	83
83	83 1/8	83 1/4	83 1/2	83 3/4	83 7/8	84
84	84 1/8	84 1/4	84 1/2	84 3/4	84 7/8	85
85	85 1/8	85 1/4	85 1/2	85 3/4	85 7/8	86
86	86 1/8	86 1/4	86 1/2	86 3/4	86 7/8	87
87	87 1/8	87 1/4	87 1/2	87 3/4	87 7/8	88
88	88 1/8	88 1/4	88 1/2	88 3/4	88 7/8	89
89	89 1/8	89 1/4	89 1/2	89 3/4	89 7/8	90
90	90 1/8	90 1/4	90 1/2	90 3/4	90 7/8	91
91	91 1/8	91 1/4	91 1/2	91 3/4	91 7/8	92
92	92 1/8	92 1/4	92 1/2	92 3/4	92 7/8	93
93	93 1/8	93 1/4	93 1/2	93 3/4	93 7/8	94
94	94 1/8	94 1/4	94 1/2	94 3/4	94 7/8	95
95	95 1/8	95 1/4	95 1/2	95 3/4	95 7/8	96
96	96 1/8	96 1/4	96 1/2	96 3/4	96 7/8	97
97	97 1/8	97 1/4	97 1/2	97 3/4	97 7/8	98
98	98 1/8	98 1/4	98 1/2	98 3/4	98 7/8	99
99	99 1/8	99 1/4	99 1/2	99 3/4	99 7/8	100

Not polished, 1/- per gross less.

Best Cast Steel Brad Awl Blades, shouldered, assorted	6	per gross.
Ditto ditto Flooring Awls...	10	"
London Flooring Awls, handled, 2 1/4 to 3in. blades	36	"

CARPENTERS' TOOLS (continued).

SPIRIT LEVELS.

				8	9	10	12	14	16	18	inch.
Best Plated Spirit Levels	...	...	...	40/-	44/-	48/-	56/-	66/-	80/-	106/-	doz.
Ditto	ditto	both sides	...	52/-	58/-	64/-	76/-	88/-	110/-	140/-	doz.
Ditto	ditto	with end and side view	...	108/-	108/-	120/-	132/-	—	—	—	doz.
Ditto	ditto	ditto another quality	...	60/-	66/-	72/-	84/-	96/-	—	—	doz.
Horizontal and Plumb Spirit Level, plated	...	...	...	66/-	70/-	74/-	90/-	—	—	—	doz.
Masons' Rule and Spirit Level	...	...	...	—	—	—	48/-	—	—	—	doz.
Ditto	ditto	with Plumb Level at end	...	—	—	—	72/-	—	—	—	doz.
				4	5	6	7	8	9	10	12 inch.
Engineers' Brass Tube Spirit Levels, in tin case	...	...	...	30/-	32/-	38/-	46/-	54/-	62/-	72/-	doz.
Ditto	ditto	ditto with guard	...	32/-	41/-	47/-	58/-	66/-	75/-	81/-	doz.
Ditto	ditto	ditto in morocco case	...	32/-	41/-	47/-	58/-	66/-	—	—	doz.
				4	5	6	7	8	9	10	n. h.
Brass Spirit Levels, strong, in case	...	...	...	36/-	38/-	40/-	41/-	41/-	41/-	41/-	doz.
Ditto	ditto	ditto, raised top, in case	...	42/-	45/-	48/-	54/-	—	—	—	doz.
							9	10½	12	inch.	
Superior Spirit Levels, plated	...	...	...	...	...	...	29/-	32/9	36/6	42/-	doz.
Ditto	ditto	ditto, and tipped with brass at bottom	...	...	...	...	32/9	36/6	42/-	42/-	doz.
Ditto	ditto	ditto, both sides	...	...	...	...	40/-	47/3	54/-	61/-	doz.
				3	3½	4	4½	5	6	inch.	
Spirit Level Tubes	...	...	...	6/-	7/-	8/-	9/-	10/-	12/-	doz.	
				18	20	22	24	26	28	30	inch.
American pattern Horizontal and Plumb Spirit Level, with brass end plates and brass side plates	...	...	...	120/-	132/-	144/-	156/-	168/-	180/-	192/-	doz.
Ditto	ditto	ditto, plated on top only	...	90/-	102/-	114/-	126/-	138/-	150/-	162/-	doz.
				4	6	8	10	12	inch.		
Common Plated Spirit Levels	...	...	...	12/-	16/-	20/-	24/-	28/-	doz.		
Common Engineers' Brass Spirit Levels	...	...	...	21/-	30/-	40/-	50/-	60/-	doz.		

PINCERS AND CUTTING NIPPERS.

				6	6½	7	7½	8	8½	9	9½	10	11	12	inch.
Carpenters' Pincers	...	...	...	5/6	5/6	6/6	7/6	8/6	9/6	10/6	12/-	14/-	18/-	22/-	doz.
				6	6½	7	7½	8	8½	9	9½	10	10½	11	12 inch.
Best Tower Pincers, warranted	8/-	9/-	10/-	12/-	14/-	16/-	18/-	21/-	24/-	27/-	30/-	36/-	doz.		
				6	6½	7	7½	8	8½	9	9½	10	10½	11	12 inch.
Best Lancashire Pincers, warranted	11/-	12/-	13/6	15/-	17/-	20/-	23/-	26/-	29/-	—	—	—	doz.		
Improved Pattern	...	...	...	22/-	22/-	24/-	26/-	28/-	30/-	36/-	42/-	—	—	—	doz.
				6	6½	7	7½	8	8½	9	9½	10	11	12	inch.
Best Tower Cutting Nippers, warranted	11/-	13/-	15/-	17/6	20/-	23/-	27/-	30/-	33/-	40/-	48/-	doz.			
Black Cutting Nippers	...	...	...	8/-	8/-	9/-	10/-	12/-	14/-	16/-	18/-	21/-	24/-	30/-	doz.

PLIERS.

				4	4½	5	5½	6	6½	7	inch.
Black or Bright Flat Nose Pliers	...	...	...	8/6	8/6	9/6	10/6	12/-	14/-	15/6	doz.
Ditto	ditto	Round Nose ditto	...	...	...	...	...	...	...	...	doz.
Good Black Flat Nose Pliers	...	...	...	11/6	11/6	13/-	15/-	17/-	21/-	24/-	doz.
Ditto	ditto	Round Nose ditto	...	...	...	...	...	...	...	...	doz.
Ditto Bright Flat Nose Pliers	...	...	...	13/-	13/-	15/-	17/-	19/-	23/-	26/-	doz.
Ditto	ditto	Round Nose ditto	...	...	...	...	...	...	...	...	doz.
Best Black Flat Nose Pliers	...	...	...	15/6	15/6	18/-	21/-	23/-	28/-	32/-	doz.
Ditto	ditto	Round Nose ditto	...	...	...	...	...	...	...	...	doz.
Ditto Bright Flat Nose Pliers	...	...	...	19/-	19/-	22/-	24/-	27/-	31/-	36/-	doz.
Ditto	ditto	Round Nose ditto	...	...	...	...	...	...	...	...	doz.
Ditto	ditto	Pendulum Pliers	...	...	...	...	...	...	...	...	doz.
Best Black Bellhangers' Pliers, Flat Cutter	...	...	...	...	...	...	...	...	...	...	doz.
Ditto	ditto	ditto Raised Cutter	...	...	...	...	...	...	...	...	doz.
Ditto	ditto	ditto London Pattern	...	...	...	...	...	...	...	...	doz.
Ditto	ditto	ditto Round Nose	...	...	...	...	...	...	...	...	doz.
Ditto	ditto	ditto Cutters inlaid	...	...	33/-	33/-	36/-	40/-	44/-	48/-	doz.

CARPENTERS' TOOLS

HORTICULTURAL TOOL CHESTS.

Fitted with Tools complete, all requiring it screwing into one Socket attached to a Polished Handle.
 No. 1—28/- each. No. 2—48/- each. No. 3—60/- each. No. 4—68/- each.

JUVENILE TOOL CHESTS.

No. 1—1/7 each contains—

Hammer	Gimlet
Mallet	Brad Awl
Chisel	Hand Saw
Turnscrew	

No. 2—1/7 each contains—

Hammer	Chisel
Mallet	Brad Awl
Hand Saw	Gimlet
Turnscrew	

No. 3—2/6 each contains—

Hand Saw	Brad Awl
Hammer	Chisel
Mallet	Gouge
Gimlet	Turnscrew

DEAL TOOL CHEST, 3/- each.

No. 4 contains—

Hand Saw	Gimlet
Hammer	Chisel
Mallet	Gouge
Pincers	Turnscrew
Brad Awl	

DEAL TOOL CHEST, with Lock, 4/6 each.

No. 5 contains—

Hand Saw	Chisel
Hammer	Brad Awl
Mallet	Gimlet
Pincers	Marking Awl
Gouge	Punch
File	Rule
Square	Turnscrew

DEAL TOOL CHEST, 6/- each.

No. 6 contains—

Hand Saw	Gimlet
Hammer	Brad Punch
Mallet	Turnscrew
Chisel	Marking Awl
Claw Wrench	Square
Brad Awl	Rule

DEAL TOOL CHEST, 3/9 each.

No. 7 contains—

Hand Saw	Brad Awl
Hammer	Chisel
Mallet	Gouge
Pincers	Turnscrew
Gimlet	Rule

OAK TOOL CHEST, 5/- each.

No. 8 contains—

Hand Saw	Brad Awl
Hammer	Chisel
Mallet	Square
Pincers	Turnscrew
Gimlet	Rule

DEAL TOOL CHEST, 6/9 each.

No. 9 contains—

Hand Saw	Gimlet
Mallet	Two Brad Awls
Chisel	Marking Awl
Hammer	Brad Punch
Claw Wrench	

GENTLEMEN'S TOOL CHESTS.

OAK TOOL CHEST, 8/- each.

No. 1 contains—

Hand Saw	Gimlet
Mallet	Two Brad Awls
Chisel	Marking Awl
Hammer	Brad Punch
Claw Wrench	

OAK TOOL CHEST, 11/- each.

No. 1A contains—

Hand Saw	Two Brad Awls
Mallet	Pincers
Chisel	Pliers
Hammer	Turnscrew
Claw Wrench	Rule
Gimlet	

OAK TOOL CHEST, 14/6 each.

No. 2 contains—

Hand Saw	Claw Wrench
Mallet	Two Brad Awls
Hammer	Marking Awl
Chisel	Brad Punch
Gouge	Pincers
Two Gimlets	Rule
Improved Compasses	Steel Blade Square
Turnscrew	

OAK TOOL CHEST, 17/6 each.

No. 3 contains—

Hand Saw	Two Brad Awls
London Claw Hammer	Two Gimlets
Mallet	Improved Compasses

Chisel	Brad Punch
Gouge	Pincers
Oil Stone, in case	Steel Blade Square
Spokeshave	Pliers
Claw Wrench	Saw File
Marking Awl	Arch Joint Rule
Turnscrew	
Brass Picture Rings, Nails, Hooks, Screws, &c.	

No. 4—Mahogany Chest,
Contents as No. 3, 20/- each.

OAK TOOL CHEST, 25/- each.

No. 5 contains—

Hand Saw	Marking Gauge
Mallet	Saw File
London Claw Hammer	Smoothing Plane
File	Oil Stone, in case
Rasp	Marking Awl
Chisel	Two Gimlets
Gouge	Two Brad Awls
Keyhole Saw	Brad Punch
Turnscrew	Pliers
Spokeshave	Hand Pad, with 8 tools
Claw Wrench	Pincers
Plated T Bevel	Improved Compasses
Square	Arch Joint Rule
Brass Picture Rings, Nails, Hooks, Screws, &c.	

No. 6 Mahogany Chest,
Contents as No. 5, 28/- each.

CARPENTERS' TOOLS (continued).

GENTLEMEN'S TOOL CHESTS (continued).

OAK TOOL CHEST, 36/- each.

No. 5D contains—

Hand Saw	Three Gimlets
Hatchet	Three Brad Awls
Hammer	Three Chisels
Mallet	Two Gouges
Rule	Two Files
Pincers	One Rasp
Marking Awl	Oil Stone
Punch	Pliers
Two Turnscrows	Compasses
Spokeshave	Lock Saw
Square	Plane
Claw Wrench	Acorn Pad
Furniture, &c.	

OAK TOOL CHEST, WITH DRAWER, 43/- each.

No. 7 contains—

G.S. Hand Saw, 12in.	Marking Awl
Blued Hatchet, No. 2	Brad Punch
London Hammer, No. 4	London Turnscrow
Small Joiners' Mallet	Spokeshave
2ft. Rule, new joint	Plated Square, 4½in.
Pair of 6½ in. Tower	Claw Wrench
Pincers	Pair of Flat Nosed
3 Shell Gimlets	Pliers, 5in.
3 Round Brad Awls	Pair of Round-leg
Firmer Chisel, 1, 1½, 2	Compasses
Gouge, 1, 1½	Lock Saw, 10 in.
Saw File, 4 in.	Smoothing Plane
Flat File, 6 in.	Com. Marking Gauge
Cabt. Rasp, 6 in.	Glue Pot
Oil Stone	Keyhole Saw
Brass Picture Rings, Nails, Hooks, Screws, &c.	

No. 8—Mahogany Chest, Contents as No. 7, 46/- each,

OAK TOOL CHEST, 70/- each.

No. 12 contains—

Two Saws	Two Files
Axe	Two Rasps
Two Hammers	Oil Stone
Mallet	Marking Awl
Rule	Two Punches
Pincers	Two Turnscrows
Six Gimlets	One Spokeshave
Six Brad Awls	Square
Six Chisels	Claw Wrench
Four Gouges	Pliers
Keyhole Saw	Compasses
Smooth Plane	Drawing Knife
Jack Plane	Cutting Punch
Marking Gauge	Scraper, mounted
Glue Pot and Brush	Bevel
Acorn Pad	Furniture, &c.

OAK TOOL CHEST, 95/- each.

No. 14 contains—

Three Saws	Two Spokeshaves
Axe	Square
Two Hammers	Claw Wrench
Mallet	Two Pairs Pliers
Rule	Compasses

Pincers
Six Gimlets
Six Brad Awls
Six Chisels
Four Gouges
Three Files
One Rasp
Oil Stone
Marking Awl
Three Punches
Three Turnscrows
Bed Key
Hand Vice

Lock Saw
Smooth Plane
Jack Plane
Three Gauges
Glue Pot and Brush
Drawing Knife
Cutting Punch
Scraper, mounted
Bevel
Chalk Line and Reel
Acorn Pad
Furniture, &c.

OAK TOOL CHEST, 140/- each.

No. 16 contains—

Three Saws	Four Files
Axe	Two Rasps
Three Hammers	Oil Stone
Mallet	Marking Awl
Rule	Two Punches
Pincers	Three Turnscrows
Six Gimlets	Bed Key
Six Brad Awls	Hand Vice
Eight Chisels	One Spokeshave
Four Gouges	Square
Two Pairs Pliers	Claw Wrench
Compasses	Scraper, mounted
Lock Saw	Bevel
Smooth Plane	Coach Wrench
Jack Plane	Chalk Line and Reel
Three Gauges	Brace with 12 Bits
Glue Pot and Brush	Cutting Nippers
Drawing Knife	Anvil
Cutting Punch	Callipers

Furniture, &c.

OAK TOOL CHEST, 220/- each.

No. 18 contains—

Three Saws	Lock Saw
Axe	Three Gauges
Four Hammers	Glue Pot and Brush
Two Mallets	Drawing Knife
Rule	Cutting Punch
Pincers	Scraper, mounted
Twelve Gimlets	Chalk Line Reel
Twelve Brad Awls	Brace with 24 Bits
Twelve Chisels	Anvil and Back Iron
Six Gouges	Saw Set
Nine Files	Cutting Nippers
Oil Stone	Nipper Pliers
Marking Awl	Hand Shears for cutting
Three Punches	Metal, &c.
Four Turnscrows	Spring Dividers
Bed Key	Coach Wrench
Hand Vice	C.S. Chipping Chisels
Two Spokeshaves	Spring Oil Can
Two Plated Squares	Bevil
Claw Wrench	Three Socket Chisels
Two Pairs Pliers	Ditto Mortice Chisels
Compasses	Bench Vice
Smooth Plane	Turning Saw and Frame
Jack Plane	Furniture, &c.

FARMERS' TOOL CHEST.

Price 52/-, contains—

Hand Saw, 26 inch
Iron Back Saw, 12 inch
Pair of Pincers, 9 inch
Claw Hammer, No. 6
Rivetting Hammer, No. 4
Large Axe, with handle
Adze, with handle
Three Brad Awls, assorted
One Gimlet, each ½, ¾, 1 inch
One Handled Chisel, each ½, 1, and 1½ inch

One Handle Gouge, ¾ inch
Eyed Screw Auger, 1 inch, with handle
Double Iron Smooth Plane
Spokeshave, 3½ inch
Two-foot Rule
Screw Driver, 8 inch
Measuring Tape, 66 feet
Drawing Knife, 10 inch
Oilstone in case
Quantity of Screws, Nails, and Brads

CARPENTERS' TOOLS (continued).

EMIGRANTS' TOOL CHESTS.

Fitted up complete, with Tools of warranted quality.

No. 1—155/- each contains—

American Billet Saw and Frame	Three Socket Chisels, handled
Best Axe	Plated Square
Best Carpenters' Adze	Three Augers, handled
Carpenters' Hand Saw	Spokeshave
Ditto Tenon Saw	Two London Turnscrows
Ditto Compass Saw	Marking Gauge
Jack Plane	Improved Brass Slide
One Pair Grooving Planes	Mortice Gauge
Rabbet Plane	Best Braces, with 18 bits
Smooth Plane	Bench and Roofing Hammer
Five Cast Steel Firmer Chisels	Three Files, assorted
Three cast steel Firmer Gouges	Six Cast Steel Gimlets
Three Best Mortice Chisels, handled	Six Brad Awls
Marking Awl	Carpenters' Mallet
Brad Punch	Boxed Whetstone
Compasses	Glue Pot and Brush
Carpenters' Pincers	Pliers
Rule	Chalk Line Reel
	Coach Wrench

No. 2.—225/- each contains—

American Billet Saw and Frame	Three London Turn-screws
Best Axe	Six Cast Steel Firmer Chisels
Ditto Carpenters' Adze	Four Cast Steel Firmer Gouges
Carpenters' Hand Saw	Three best Mortice Chisels, handled
Ditto Tenon Saw	Four Socket Chisels, handled
Ditto Compass Saw	Plated Square
Jack Plane	Spokeshave
Smooth Plane	Drawing Knife
Trying Plane	Four Augers, handled
One pair Grooving Planes	Marking Gauge
Rabbet Plane	
Bead Plane	
Moving Filister Plane	

Brass Slide Mortice Gauge	Roofing Hammer
Glue Pot and Brush	Compasses
Pliers	Five Files, assorted
Best Brace, with 24 Bits	Carpenters' Mallet
Six Cast Steel Gimlets	Spring Oil Can
Six Brad Awls	Marking Awl
Coach Wrench	Brad Punch
Two Bench Hammers	Chalk Line Reel
Bench Vice	Carpenters' Pincers
	Boxed Whetstone
	Rule

No. 3—305/- each contains—

American Billet Saw and Frame	Trying Plane
Best Axe	Two pair Grooving Planes
Ditto Carpenters' Adze	Rabbet Plane
Carpenters' Hand Saw	Plough, with 8 bits
Ditto Tenon Saw	Moving Filister
Ditto Compass Saw	Two Bead Planes
Jack Plane	Saw Pad and Saw
Twelve Cast Steel Firmer Chisels	Coach Wrench
Six Cast Steel Firmer Gouges	Two Bench Hammers
Three Mortice Chisels	Roofing Hammer
Five Socket Chisels	Seven Files, assorted
Two Plated Squares	Cutting Nippers
Two Spokeshaves	Two pairs Carpenters' Pincers
Drawing Knife	Bell Hangers' Pliers
Six Augers, handled	Two pairs Compasses
3 London Turnscrows	Two pairs Pliers
Marking Gauge	Chalk Line Reel
Improved Brass Slide Mortice Gauge	Glue Pot and Brush
Cutting Gauge	Carpenters' Mallet
Best Brace, with 30 bits	Boxed Whetstone
Eight Gimlets	Spring Oil Can
Eight Brad Awls	Marking Awl
Smooth Plane	Brad Punch
Rule	Hand Vice
	Bench Vice
	Measuring Tape
	Turning Saw and Frame

HOUSEHOLD TOOL CHESTS.

A Painted Deal Tool Chest, 24in. by 11in. by 6in. outside measurement.

Price 35/-, contains—

Cast Steel Hand Saw, 18 inch	Round-nose Meat Chopper	Handled Tack Wrench
Cast Steel Iron Back Saw, 12 inch	Handled Hatchet	Smoothing Plane
Large Handled Hammer	Two-foot Rule	Glue Pot and Brush
Small Handled Tack Hammer	Pair Pincers	Oil Can, with Press Bottom
Large Turnscrow	Two Gimlets	Handled File
Small Turnscrow	Three Handled Brad Awls	Screws, Nails, &c.
Bed Key for three sizes	Handled Chisel, 1/2 inch	

If the above Chest is made of Oak and French polished, the price is 10/- extra.

TOOL CHESTS.

CARPENTER'S DEAL CHEST, PAINTED GREEN AND PARTITIONED.

No. 1, £2 10s, contains—

Hand Saw
Back Saw
Lock Saw
Jack Plane
Smoothing Plane
Rabbet Plane
Marking Gauge
Square
Turnscrow
Spokeshave
Brad Punch
Chalk Line and Reel
Mallet
Oil Stone
Finger Stone
Brace and 12 Bits
Arch Joint Rule
Compasses
Pliers
Pincers

Three Gimlets
Three Brad Awls
Glue Pot
Hatchet
Hammer
Three Files
Two Gouges
Four Chisels

CARPENTER'S DEAL CHEST, PAINTED GREEN AND PARTITIONED.

No. 2, £4 5s., contains—

Hand Saw
Back Saw
Hatchet
Two Hammers
Mallet
Rule
Pincers
Three Gimlets
Three Brad Awls
Four Chisels

Two Files
Two Gouges
Oil Stone
Marking Awl
Brad Plane
Rabbet Plane
Brace and 12 Bits
Two Punches
Two Turnscrows

Spokeshave
Square
Claw Wrench
Pliers
Compasses
Drawing Knife
Smoothing Plane
Jack Plane
Cutting Gauge
Glue Pot and Brush
Cutting Nippers
Hand Vice
Acorn Pad
Cold chisel

CARPENTERS' TOOLS (continued).

TOOL CHESTS (continued).

CARPENTER'S DEAL CHEST,
PAINTED GREEN AND PARTI-
TIONED.

No. 3, £5 10s., contains—

Hand Saw
Tenon Saw
Lock Saw
Two Brad Punches
Cold Chisel
Rabbit Plane
Bead Plane
Marking Gauge
Plated Square
Spokeshave
Glue Pot
Rule
Pincers
Mallet
Eight Chisels
Four Gouges
Oil Stone, stocked
Plated Bevil
Smoothing Plane
Two Bright London Turnscrows
Pair of Pliers
Six Cast Steel Gimlets
Six Brad Awls
Brace and 12 Bits
Three Hammers
Drawing Knife
Jack Plane
O Gee Plane
Pair of Grooving Planes
Cutting Gauge
Mortice Gauge
Spring Dividers
Cutting Nippers
Finger Stone
Four Files
One Rasp
Hand Vice
Axe
Compasses

CARPENTER'S DEAL CHEST,
PAINTED GREEN AND PARTI-
TIONED.

No. 4, £7 10s., contains—

Hand Saw
Tenon Saw
Dovetail Saw
Lock Saw
Keyhole Saw
Saw Pad
Trying Plane, Double
Jack Plane, Double
Smoothing Plane, Double
Rabbit Plane
Two Bead Planes
Marking Gauge
Plated Square
Two Bright Turnscrows
Spokeshave
Saw Set
Compasses
Pliers
Six Cast Steel Gimlets
Six Brad Awls
Brace and 24 Bits
Three Hammers
Drawing Knife
Four Saw Files
Two Files
Bed Key
Screw Wrench
Rasp
Marking Awl
Tower Pincers
Two Brad Punches

Mallet
Axe, handled
Three Cast Steel Socket Chisels
Oil Stone, stocked
Finger Stone
Six Firmer Chisels
Four Firmer Gouges
Rule
Improved Slide Bevil
Glue Pot and Brush
Mortice Gauge
Spirit Level
Spring Dividers
Hand Vice
Grecian O G Plane
Pair of Grooving Planes
Cutting Gauge
Cutting Nippers
Cold Chisel

CARPENTER'S CHEST, PAINTED
GREEN AND PARTITIONED.

No. 5, £11 10s., contains—

Hand Saw
Tenon Saw
Dovetail Saw
Lock Saw
Double Trying Plane
Rabbit Plane
Keyhole Saw
Double Jack Plane
Plough and Irons
Saw Pad
Double Smoothing Plane
Cutting Gauge
Three Bead Planes
Two Grecian O Gees
Cutting Pliers
Two Pairs of Hollows and Round
Callipers
Nine Cast Steel Gimlets
Moving Fillister Plane
Brace and 24 Bits
Sash Fillister Plane
Two Hammers
Pair of Sash Planes and Templets
Draw Knife
Pair of Moving Match Planes and
three pairs of Irons
Four Mortice Chisels, handled
Four Saw Files
Two-foot Rule
Screw Wrench
Pair of Tower Pincers
Mallet
Three Cast Steel Socket Chisels
Two Cast Steel Socket Gouges
Oil Stone, stocked
Finger Stone
Twelve Cast Steel Firmer Chisels
Six Cast Steel Firmer Gouges
Improved Slide Bevil
Marking Gauge
Mortice Gauge
Two Plated Squares
Saw Set
Two Bright Turnscrows
Two Spokeshaves
Compasses
Flat Nosed Pliers
Chalk Line and Reel
Six Brad Awls
Three Shell Augers, Eyed
Three Files
Two Brad Punches
Hand Vice
Rasp
Axe, handled
Turning Saw and Frame

Bed Key
Spirit Level
Marking Awl
Spring Dividers
Glue Pot and Brush

SEE FOR CARPENTERS' CHEST,
PAINTED GREEN AND PARTI-
TIONED.

No. 6, £16, contains—

Cast Steel Hand Saw
Cast Steel Rip Saw
Cast Steel Compass Saw
Cast Steel Brass Back Tenon Saw
Cast Steel Brass Back Dovetail
Saw
Bow and Saw, for Iron, 8 in.
Mallet
Marking Awl
Smoothing Plane
Jack Plane
Trying Plane
Three Bead Planes
Pair of Moving Match Planes and
three pairs of Irons
Skew Rabbit Plane, 1½ inch
Three Grecian O Gees
Pair of Lamb's Tongue Sash
Planes and Templets
Shoulder Box Moving Fillister
Shoulder Box Sash Fillister
Best Plough and Set of 8 Irons
Screw Slide Mortice Gauge
Marking Gauge
Two Bright Turnscrows
Box Handle Saw Set
Three Brad Punches
Twelve Cast Steel Gimlets to
5-16th inch
Best Plated Brace and 36 Cast
Steel Black Bits
Spokeshave
Slide Bevil, 9 in.
Best Square, 6 in. and 12
Plated Spirit Level
Box Handle Turning Saw and
Frame, and 3 extra Saws
Cast Steel Drawing Knife
Chalk Line and Reel
Six Round Brad Awls
Three Socket Chisels, to 1½ inch
Four Shell Augers, Eyed
Two Socket Gouges
Three Scotch Screw Augers, Eyed
Axe, handled
One doz. Firmer Chisels, to 1½ in.
Oil Stone, stocked
One doz. Firmer Gouges
Glue Pot and Brush
Tower Pincers
Four Saw Files, handled
Pair of Wing Compasses
Seven Files
Three Hammers
One Rasp
Pair of Flat Nosed Pliers
Cutting Pliers
Bed Key
Coach Wrench
Two Finger Stones
Carpenter's Adze, handled
Keyhole Saw and Saw Pad
Two-foot Rule
Spring Dividers
Hand Vice
Half Hollows and Rounds
Set of 8 Mortice Chisels, handled
Bench Stop
Callipers

RULES.

TWO-FEET TWO-FOLD RULES.

	Per doz.
Narrow 2-ft. Rules	10 6
Broad ditto $\frac{3}{4}$ Joint	11 6
Ditto Large Joint ..	13
Ditto Thin Iron Tips and Brass Pin Holes	13 9
Ditto Double Arch	12 6
Ditto Arch Joint	12 6
Ditto ditto	13 6
Ditto Extra Thin ditto	13 6
Ditto Double Arch	14 9
Ditto Thin New Joint	15 6
Ditto Extra Thin ditto	16 6
Ditto Brass Edged Rule, Thin	18 6
Ditto ditto Extra Thin	19 3
Ditto ditto Common	19 3
Ditto Arch New Joint, Thin	20 6
Ditto ditto Extra Thin	21 6
Ditto Improved Solid Joint	22 6
Ditto Arched Joint, with Builder's Scales	23 6
Ditto ditto ditto ditto	24 6
Ditto Arched Joint, with Spirit Level	25 6
2-ft. two-fold Brass Rules	26 6
Ditto ditto ditto Best	27 6
Ditto ditto ditto Narrow	28 6
2-ft. two-fold Iron Rules	29 6
Ditto ditto Steel ditto, Narrow	30 6

TWO-FEET RULES, WITH BRASS SLIDE.

2-ft. Brass Slide Rules, Brass Tips ..	31 6
Ditto Iron Tips, Brass Pin Holes ..	32 9
Ditto Arch Joint ditto	33 6
Ditto ditto ditto	34 9
Ditto Bevelled Edge ditto	35 6
Ditto with Tables ditto	36 6
Ditto Brass Edge ditto	37 6
Ditto New Joint ditto	38 6
Ditto Bevelled Edge ditto	39 6
Ditto with Tables ditto	40 6
Ditto ditto ditto	41 6
Ditto Improved Slide Rule, plated on one edge, and Flat, Bevelled	42 6
Ditto Arch New Joint ditto...	43 6
Ditto Inverted Line ditto	44 6
Ditto Routledge's Engineers	45 6
Ditto ditto Brass Edge	46 6
Ditto inside and outside	47 6
Ditto Hawthorne's Engineers	48 6
Ditto Carrett's Engineers	49 6
Ditto Slater's Cotton Spinners	50 6
Ditto Hailstone's	51 6

WILKINSON'S RULES.

2-ft., number Log on Front, 4 Scales on Back	52 6
Ditto Wilkinson's and Routledge's combined	53 6
Ditto Scales on Front, number Log on Back	54 6
Ditto Brass Edge, number Log on Front, 4 Scales on Back	55 6
Ditto Brass Edges, Scale on Front, number Log on Back	56 6
Ditto Wilkinson's and Routledge's	57 6
Ditto ditto inside and outside, Wilkinson's and Routledge's	58 6

FOUR-FOLD RULES, WITH OUTSIDE JOINTS.

1-ft. Arch Middle, $\frac{3}{4}$ in. wide	59 6
2 ft. ditto ditto	60 6
3 ft. ditto 1 in. wide...	61 6
4 ft. ditto ditto	62 6
5 ft. ditto German Silver Joints	63 6
6 ft. ditto ditto	64 6
7 ft. ditto Bevelled Edge	65 6
8 ft. ditto $1\frac{1}{2}$ in. wide	66 6
9 ft. ditto ditto	67 6
10 ft. ditto $1\frac{1}{2}$ in. wide	68 6
11 ft. ditto ditto	69 6
12 ft. ditto Broad Folding	70 6
13 ft. ditto ditto	71 6
14 ft. ditto $\frac{5}{8}$ in. wide	72 6
15 ft. ditto ditto	73 6
16 ft. ditto ditto	74 6
17 ft. ditto $1\frac{1}{2}$ in. wide, plated outside	75 6
18 ft. ditto ditto ditto	76 6
19 ft. ditto plated inside and out	77 6
20 ft. ditto ditto ditto	78 6

FOUR-FOLD RULES.

	Per doz.
2-ft. four-fold Rules, Double Joints	10 6
3-ft. ditto ditto ditto	11 6
2 ft. ditto ditto ditto	13
3 ft. ditto ditto ditto	13 9
1 ft. ditto ditto $\frac{3}{4}$ in. wide	12 6
2 ft. ditto ditto ditto	12 6
3 ft. ditto ditto ditto	13 6
1 ft. Square Joint ditto	13 6
2 ft. ditto ditto ditto	14 9
3 ft. ditto ditto ditto	15 6
1 ft. Arch Joint ditto	16 6
2 ft. ditto ditto ditto	18 6
3 ft. ditto ditto ditto	19 3
2 ft. ditto ditto Plated Outside edge	19 3
3 ft. ditto ditto ditto	20 6
1 ft. ditto ditto $\frac{3}{4}$ in. wide	22 6
2 ft. ditto ditto ditto	23 6
3 ft. ditto ditto ditto	24 6
2 ft. Square Joint, 1 in. wide	25 6
3 ft. ditto ditto	26 6
2 ft. Arch Joint ditto	27 6
3 ft. ditto ditto	28 6
2 ft. ditto ditto, Bevelled Edge	29 6
3 ft. ditto ditto $1\frac{1}{2}$ in. wide	30 6
2 ft. ditto ditto ditto	31 6
3 ft. ditto ditto $1\frac{1}{2}$ in. wide	32 6
2 ft. ditto ditto ditto	33 6
3 ft. ditto ditto ditto	34 6
2 ft. Square Joint, Broad Folding	35 6
3 ft. ditto ditto ditto	36 6
2 ft. Arch Joint ditto ditto	37 6
3 ft. ditto ditto ditto	38 6
2 ft. four-fold	39 6
3 ft. ditto ditto ditto	40 6
2 ft. Treble Arch, Broad Folding	41 6
3 ft. ditto ditto ditto	42 6

FOUR-FOLD RULES, WITH BRASS SLIDES.

2-ft. four-fold Rules	43 6
3 ft. ditto ditto	44 6
2 ft. ditto ditto	45 6
3 ft. ditto ditto	46 6
2 ft. ditto ditto	47 6
3 ft. ditto ditto	48 6
2 ft. ditto ditto	49 6
3 ft. ditto ditto	50 6
2 ft. Calliper Gauge and Iron Tables	51 6
1 ft. two-fold ditto ditto	52 6
3-fold Iron Gauges	53 6
Rope Gauge	54 6
Improved Rope Gauge	55 6

IVORY RULES.

6-in. Ivory Rules	56 6
1-ft. four-fold ditto	57 6
2 ft. ditto ditto	58 6
1 ft. ditto Double Joint	59 6
2 ft. ditto ditto	60 6
1 ft. ditto ditto Square	61 6
2 ft. ditto ditto ditto	62 6
1 ft. ditto ditto Arch	63 6
2 ft. ditto ditto ditto	64 6
1 ft. ditto ditto	65 6
2 ft. ditto ditto	66 6
1 ft. ditto ditto	67 6
2 ft. ditto ditto	68 6
1 ft. ditto ditto	69 6
2 ft. ditto ditto	70 6
1 ft. ditto ditto	71 6
2 ft. ditto ditto	72 6
1 ft. ditto ditto	73 6
2 ft. ditto ditto	74 6
1 ft. ditto ditto	75 6
2 ft. ditto ditto	76 6
1 ft. ditto ditto	77 6
2 ft. ditto ditto	78 6
1 ft. ditto ditto	79 6
2 ft. ditto ditto	80 6
1 ft. ditto ditto	81 6
2 ft. ditto ditto	82 6
1 ft. ditto ditto	83 6
2 ft. ditto ditto	84 6
1 ft. ditto ditto	85 6
2 ft. ditto ditto	86 6
1 ft. ditto ditto	87 6
2 ft. ditto ditto	88 6
1 ft. ditto ditto	89 6
2 ft. ditto ditto	90 6
1 ft. ditto ditto	91 6
2 ft. ditto ditto	92 6
1 ft. ditto ditto	93 6
2 ft. ditto ditto	94 6
1 ft. ditto ditto	95 6
2 ft. ditto ditto	96 6
1 ft. ditto ditto	97 6
2 ft. ditto ditto	98 6
1 ft. ditto ditto	99 6
2 ft. ditto ditto	100 6

All Ivory Rules Bevelled with full Scales, and 1-20th, 1-30th, 1-40th and 1-50th, each $\frac{2}{3}$ extra.

FILES AND RASPS.

Flat, Half-Round, Square, Round, Enter-
ing, Taper Cotter, Horse, Shoe Flat, and
Half-Round Rasps.
Mill Saws, one or two Square Edges Single
and Double Cut.
Topping Files, Single and Double, left at
Point, and Safe Edges.

Three-Square, Hand, Equalling one Safe
Edge, Parallel Cotter, Pillar, Needle,
Round-off, Bone, Pottance, Round Edged
Flat, Extra Thin Flat, and Flat and
High Back Half-Round

Inches.	Rough and Bastard.	2nd Cut, Flat and 1/2-Round Gun- stockers' and Round Rasps.	Smooth and Cabinet Files and Rasps.	Dead Smooth and Extra Smooth Cabinets.
	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.
1 to 4	0 4 9	0 5 6	0 6 9	0 10 3
4 1/2	0 5 3	0 6 0	0 7 6	0 11 3
5	0 5 9	0 6 9	0 8 3	0 12 6
5 1/2	0 6 3	0 7 6	0 9 0	0 13 6
6	0 7 0	0 8 3	0 9 6	0 14 6
6 1/2	0 7 6	0 8 9	0 10 6	0 15 9
7	0 8 6	0 9 9	0 11 6	0 17 6
7 1/2	0 9 6	0 10 9	0 12 3	0 18 6
8	0 10 6	0 12 0	0 13 6	1 0 0
8 1/2	0 11 0	0 12 9	0 14 6	1 2 0
9	0 12 0	0 13 6	0 15 6	1 3 6
9 1/2	0 13 6	0 15 0	0 17 0	1 5 6
10	0 15 3	0 17 0	0 19 0	1 8 6
10 1/2	0 16 6	0 18 6	1 0 6	1 11 0
11	0 18 0	1 0 0	1 3 0	1 15 0
11 1/2	1 0 0	1 2 0	1 5 0	1 18 0
12	1 1 6	1 4 0	1 6 6	2 0 0
12 1/2	1 3 0	1 5 6	1 8 0	2 2 0
13	1 5 0	1 7 0	1 10 0	2 5 0
14	1 10 0	1 13 0	1 16 0	2 14 0
15	1 16 0	1 19 0	2 2 0	3 3 0
16	2 3 0	2 7 0	2 12 0	3 18 0
17	2 10 0	2 15 0	3 3 0	4 14 0
18	3 0 0	3 5 0	3 14 0	5 11 0
19	3 8 0	3 15 0	4 4 0	6 6 0
20	4 1 0	4 9 0	4 19 0	7 9 0
21	4 13 0	5 1 0	5 13 0	8 10 0
22	5 6 0	5 15 0	6 8 0	9 12 0
23	6 1 0	6 12 0	7 6 0	11 0 0
24	7 0 0	7 11 0	8 6 0	12 10 0

EXTRAS.

All above 24 inches, 20/- per inch extra.
Flat Files, double cut on the edge, to
advance half-inch.
Topping, Square Cut Edges, to advance
half-inch.
Mill Saw, two Round Edges, advance 1/2-inch.
Feather Edge and Knife Files, to advance
3 inches.

Hand and Equalling Cut both Edges, or with with one Double Cut Edge.
Lock, Arch, Riffler, Tumbler, Oval Saw Files, Cant, Taper Cross, Bellied Three-square.
Double-tanged Mill Saw, Topping, two Round Edges.

Inches.	Rough and Bastard.	Second Cut	Smooth.	Dead Smooth.
	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.
1 to 4	0 5 3	0 6 0	0 7 6	0 11 3
4 1/2	0 5 9	0 6 9	0 8 3	0 12 6
5	0 6 3	0 7 6	0 9 0	0 13 6
5 1/2	0 7 0	0 8 3	0 9 6	0 14 6
6	0 8 6	0 9 9	0 11 6	0 17 6
6 1/2	0 9 6	0 10 9	0 12 3	0 18 6
7	0 10 6	0 12 0	0 13 6	1 0 0
7 1/2	0 11 0	0 12 9	0 14 6	1 2 0
8	0 12 0	0 13 6	0 15 6	1 3 6
8 1/2	0 13 6	0 15 3	0 17 0	1 5 6
9	0 15 0	0 17 0	0 19 0	1 8 6
9 1/2	0 16 6	0 18 6	1 0 6	1 11 0
10	0 18 0	1 0 0	1 3 0	1 15 0
10 1/2	1 0 0	1 2 0	1 5 0	1 18 0
11	1 1 6	1 4 0	1 6 6	2 0 0
11 1/2	1 3 0	1 5 6	1 8 0	2 2 0
12	1 5 0	1 7 0	1 10 0	2 5 0
12 1/2	1 8 0	1 10 0	1 13 0	2 10 0
13	1 10 0	1 13 0	1 16 0	2 14 0
14	1 16 0	1 19 0	2 2 0	3 3 0
15	2 3 0	2 7 0	2 12 0	3 18 0
16	2 10 0	2 15 0	3 3 0	4 14 0
17	3 0 0	3 5 0	3 14 0	5 11 0
18	3 8 0	3 15 0	4 4 0	6 6 0
19	4 1 0	4 9 0	4 19 0	7 9 0
20	4 13 0	5 1 0	5 13 0	8 10 0
21	5 6 0	5 15 0	6 8 0	9 12 0
22	6 1 0	6 12 0	7 6 0	11 0 0
23	7 0 0	7 11 0	8 6 0	12 10 0
24	7 19 0	8 12 0	9 8 0	14 2 0

EXTRAS.

All above 24 inches, 20/- per inch extra.
Pin Files and Tanged Horse Rasps, to
advance 1 inch.
Round-off, with points, to advance 1 inch.
Needle exceeding breadth of Hand Files,
as equalling cut on both edges.
Equalling and Cotter Files, extra thin, to
advance 1 inch.

	Rough and Bastard.	Second Cut.	Smooth	Dead Smooth		Round and Bastard	Second Cut.	Smooth.	Dead Smooth
Inch.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	Inch.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.
1 to 4	0 6 3	0 7 6	0 9 0	0 13 6	11 1/2	1 5 0	1 7 0	1 10 0	2 5 0
5	0 7 0	0 8 3	0 9 6	0 14 6	12	1 7 0	1 10 0	1 13 0	2 10 0
5 1/2	0 7 6	0 8 9	0 10 6	0 15 9	12 1/2	1 10 0	1 13 0	1 16 0	2 14 0
6	0 8 6	0 9 9	0 11 6	0 17 6	13	1 13 0	1 16 0	1 19 0	2 19 0
6 1/2	0 9 6	0 10 9	0 12 3	0 18 6	14	1 19 0	2 3 0	2 8 0	3 10 0
7	0 10 6	0 12 0	0 13 6	1 0 0	15	2 6 0	2 11 0	2 18 0	4 6 0
7 1/2	0 11 0	0 12 9	0 14 6	1 2 0	16	2 15 0	3 0 0	3 7 0	5 2 0
8	0 12 0	0 13 6	0 15 6	1 3 6	17	3 4 0	3 10 0	3 19 0	5 18 0
8 1/2	0 13 6	0 15 3	0 17 0	1 5 6	18	3 14 0	4 2 0	4 11 0	6 18 0
9	0 15 0	0 17 0	0 19 0	1 8 6	19	4 7 0	4 15 0	5 6 0	8 0 0
9 1/2	0 16 6	0 18 6	1 0 6	1 11 0	20	5 0 0	5 8 0	6 0 0	9 0 0
10	0 18 0	1 0 0	1 3 0	1 15 0	21	5 14 0	6 3 0	6 16 0	10 6 0
10 1/2	1 0 0	1 2 0	1 5 0	1 18 0	22	6 11 0	7 1 0	7 16 0	11 16 0
11	1 1 6	1 4 0	1 6 6	2 0 0	23	7 10 0	8 1 0	9 2 0	13 14 0
	1 3 0	1 5 6	1 8 0	2 2 0	24	8 8 0	9 2 0	10 8 0	15 12 0

EXTRAS. All above 24 inches, 20/- per inch extra. Hand and Equalling with Round Edges
Advance 1 in.; if double cut, 2 in. Two-tanged Mill Saw, 2 Round Edges, advance 1/2-inch.

FILES AND RASPS (continued)

BEST REFINED CAST STEEL SAW FILES.

Taper Saw Files			Frame Saw Files and Gulleting.			Blunt Segment Saw Files, and Taper Cut to Point	Blunt 2nd Cut Double and Band &c.
	2nd Cut Single.	2nd Cut Double.	Smooth Single.	2nd Cut Single.	2nd Cut Double.	2nd Cut Single.	1st Cut
	per doz.	per doz.	per doz.	per doz.	per doz.	per doz.	per doz.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1 1/2	0 1 0	0 1 9	0 5 6	0 4 9	0 5 9	0 5 0	0 6 6
1 3/4		0 1 1	0 6 0	0 5 3	0 6 3	0 5 6	0 7 6
2		0 1 0	0 6 3	0 5 9	0 6 9	0 6 6	0 8 6
2 1/4		0 1 0	0 6 0	0 6 6	0 7 6	0 7 6	0 9 6
2 1/2		0 1 6	0 8 0	0 7 6	0 8 6	0 8 6	0 10 6
2 3/4		0 8 6	0 9 0	0 8 6	0 9 6	0 9 6	0 12 0
3		0 9 6	0 10 0	0 9 6	0 10 6	0 10 6	0 13 6
3 1/4		0 11 0	0 11 0	0 10 6	0 12 0	0 12 0	0 15 6
3 1/2		0 12 0	0 12 6	0 12 0	0 13 0	0 13 6	0 17 6
3 3/4		0 13 6	0 14 0	0 13 6	0 14 6	0 15 6	0 19 6
4		0 15 0	0 15 6	0 14 6	0 16 0	0 17 6	1 1 6
4 1/4		0 17 0	0 17 0	0 16 0	0 17 6	0 19 6	1 4 0
4 1/2		0 19 6	0 19 6	0 18 0	0 19 6	1 1 6	1 6 6
10	0 19 6	1 1 0	1 1 0	1 0 0	1 2 0	1 4 0	1 9 0
1 1/2	1 1 0	1 6 0	1 6 0	1 5 0	1 7 0	1 9 0	1 14 0
1 3/4	1 11 0	1 11 0	1 11 0	1 10 0	1 12 0	1 14 0	2 0 0
2	1 17 0	1 17 0	1 17 0	1 16 0	1 19 0	2 0 0	
2 1/4	2 3 0	2 3 0	2 3 0	2 3 0	2 6 0		

REAPER KNIFE FILES.

PLAIN AND SWAGED.			KNIFE SHAPE.			CANT SHAPE.		
	Single.	Double.	Single.	Double.		Single.	Double	
7 inch	8 6	9 -	8 6	9 6	...	12 6	13 6	dozen.
8 "	9 3	10/-	9 6	10 6	...	13 6	14 9	"
9 "	11 6	12 9	11 9	13 3	...	16 3	17 6	"
10 "	13/6	15/6	13 9	16 -	...	19 -	21 3	

EXTRAS.

Taper Saw Files, Double Cut Smooth, to advance half-inch on Single Smooth.
 Frame Equaling Saw Files, 3 inches on Frame Saw Price.

SHEEP SHEARS

	5	5 1/2	6	6 1/2	7 inch
	14 -	15 -	16 -	17 -	19 -
Common Ground Hollow Shafts ...	14 -	15 -	16 -	17 -	19 -
Glazed ditto ditto ...	15 -	16 -	17 -	19 -	21
Black or Bright ...	17		18	20	
Ditto ditto swaged ...		19 -	20 -	22 -	
Black or Bright Cast Steel, Steel Bows ...		20 -	21 -	23 -	
Patent Cast Steel Springs					

Discount per cent. according to quality

[illegible]

FEATHER PILLOWS.

[illegible]

BEDDING (continued).

SPRING MATTRESSES.

ORDINARY LENGTHS.		3 ft. wide.	3 ft. 6 in. wide.	4 ft. wide.	4 ft. 6 in. wide.	5 ft. wide.	5 ft. 6 in. wide.
Patent Woven Wire Spring Mattress	...	45/-	52/6	60/-	67/6	75/-	82/6
Spring Mattress, in Strong Linen Tick, Horse-hair Top	...	55/-	60/-	70/-	79/-	88/-	100/-
Superior ditto, in Best Tick and Horse-hair	...	78/-	92/-	104/-	115/-	125/-	135/-
Best Quality ditto, in Extra Linen Tick	...	90/-	100/-	118/-	130/-	145/-	158/-

CURLED HORSE-HAIR AND FRENCH MATTRESSES.

Curled Horse-hair Mattress, in Stout Linen Tick	...	36/-	44/-	50/-	59/-	66/-	94/-
Second Quality ditto, in Fine Linen Tick	...	47/-	52/-	63/-	74/-	84/-	113/-
Very Superior ditto, in Best Linen Tick, Twilled	...	56/-	66/-	81/-	93/-	103/-	132/-
Best Quality, ditto, ditto, Superior Linen Tick	...	61/-	81/-	95/-	108/-	119/-	132/-
Thin French Mattress, in Fine Linen Cases	...	34/-	40/-	46/-	52/-	58/-	64/-
Thin Best French Mattress, in Fine Linen or Checked Cases	...	51/-	60/-	70/-	79/-	86/-	92/-
Thick Best French Mattress, in Fine Linen or Checked Cases	...	59/-	75/-	85/-	97/-	110/-	123/-

FLOCK AND WOOL MATTRESSES.

Cotton Flock Mattress, in Brown Linen Tick	...	12/6	15/6	17/6	18/6	21/-	24/-
Coloured Wool Mattress, in Good Tick	...	16/6	19/6	22/-	24/-	27/-	29/6
Superior Coloured Wool Mattress, in Good Tick, thicker than above	...	21/-	26/-	29/-	32/-	36/-	40/-
Carded White Wool ditto, in Fine Linen Tick	...	31/-	37/-	43/-	48/-	56/-	60/-
Best Fine Long White Wool ditto, in Best Linen Tick	...	51/-	65/-	73/-	83/-	95/-	105/-

PALLIASSES.

Straw Palliasse, Canvas and Tick Borders	...	8/9	9/9	11/-	12/3	13/3	15/6
Superior ditto, Canvas and Linen Tick Borders	...	11/6	13/-	14/-	15/6	16/6	18/6
Best ditto, in Strong Brown Tick and Linen Borders	...	13/6	15/6	17/-	19/-	21/-	24/-

FOR COTS AND CHILDREN'S BEDSTEADS.

Coloured Wool Mattress	...	...	...	...	2 ft. by 4 ft.	2 ft. 6 in. by 4 ft. 6 in.	5 ft. by 3 ft. or 2 ft. 6 in. by 6 ft.
Superior Coloured Wool ditto	...	...	...	...	8/9	11/-	14/6
Superior White Wool ditto	...	...	...	...	11/6	13/9	18/6
Superior Hair or Best Long Wool	...	...	...	...	16/-	21/-	26/6
Superior Hair Mattress, in Fine Tick	...	...	...	...	21/-	28/6	38/-
	...	...	...	...	24/6	32/-	43/-

SCALES AND WEIGHTS.

SCALES.

	8	9	10	11	12	13	14	inch.		
Tin Scales, painted beams ...	5/5	6/1	6/7	7/4	8/1	9/3	10/3			
	3	4	4½	5	6	7	8	9	10	inch.
Brass Scales, bright beams	2/3	2/7	2/9	3/3	4/4	6/-	8/-	12/-	14/-	
Deep Copper Scales, ditto	3/-	3/9	4/6	5/4	7/-	9/6	12/9	18/6	23/-	
		12	14	16	18	20	in.	beams.		
Strong Standard Scales, gilt pillars and beams, with copper scales and brass chains ...	...	8/-	9/6	11/-	13/-	15/-				
			28	30	32	34	in.	beams.		
Butchers' Scales, strong gilt beam, tinned chains and hooks and boards ...	...	...	40/-	45/-	50/-	55/-				
Agate Balances, suitable for Chemists, &c.—	10	11	12	13	14	16	18	in.	beams.	
Solid Brass Stand Scales, on mahogany slabs ...	44/-	49/-	55/-	67/-	78/-	98/-	120/-			
On mahogany boxes, with drawers ...	50/-	55/-	63/-	75/-	88/-	112/-	140/-			
Medicine Scales—		5	6	7	8	in.	beams.			
In oak boxes ...	...	2/3	2/3	2/9	3/4					
In mahogany boxes ...	...	2/9	2/9	3/3	3/11					
With brass pans, in mahogany boxes	6/6	6/8	8/-	10/-	Box end					
With glass pans, „ „	7/8	7/8	9/-	11/3	Beams.					
		2	3	cwt.						
Portable Machine, with wood frame and scale ...	32/-	48/-								
Ditto ditto ditto superior	48/-									
	3	4	5	6	10	cwt.				
Strong Weighing Machine, with folding wings... ..	65/-	85/-	112/-	152/-	245/-					
Iron Contracting Machine, to weigh 3 cwt., platform 17 × 17 inch. ...	65/-									
Ditto ditto ditto 4 ditto 19 × 19 „ ...	75/-									
Ditto ditto ditto 5 ditto 21 × 21 „ ...	90/-									
	£	s.	d.							
Portable Platform Machine, to weigh 3 cwt., 22 × 20 inch ...	3	13	0							
Ditto ditto ditto 4 „ 22 × 22 „ ...	4	10	0							
Ditto ditto ditto 5 „ 26 × 22 „ ...	5	5	0							
Ditto ditto ditto 7 „ 26 × 26 „ ...	6	5	0							
Ditto ditto ditto 10 „ 30 × 30 „ ...	7	5	0							
Ditto ditto ditto 12 „ 31 × 31 „ ...	8	10	0							
Ditto ditto ditto 15 „ 34 × 34 „ ...	10	0	0							

WEIGHTS.

ROUND, IN SETS.

	Not plugged.	Plugged with Lead or Copper.	Plugged and Japan'd Black with White Figures.	per set.
7 lbs. to ¼ oz. ...	2/9	3/3	4/-	
4 lbs. to ¼ oz. ...	1/7	1/11	2/4	„
2 lbs. to ¼ oz. ...	-/10	1/2	1/7	„
1 lb. to ¼ oz. ...	-/7	-/9	1/1	„

The ½ and ¼ oz. are in Brass.

SCALES AND WEIGHTS (continued).

WEIGHTS (continued).						
All CAST IRON, Round, in single dozens.						
$\frac{1}{4}$ oz.	...	...	-/7	-/8	-/9	per doz.
$\frac{1}{2}$ oz.	...	...	-/8	-/9	-/10	"
1 oz.	...	...	-/9	-/10	1/-	"
2 oz.	...	...	-/10	-/11	1/2	"
4 oz.	...	...	1/-	1/3	1/8	"
8 oz.	...	...	1/8	1/10	2/6	"
1 lb.	...	...	2/6	2/10	3/6	"
2 lbs.	...	...	4/9	5/-	6/6	"
3 lbs.	...	...	6/6	7/-	9/-	"
4 lbs.	...	...	8/6	9/-	12/-	"
7 lbs.	...	...	14/-	15/-	18/-	"
8 lbs.	...	...	17/-	18/-	24/-	"
BAR WEIGHTS, PLUGGED WITH LEAD OR COPPER.						
$\frac{1}{4}$ lb.	...	...	1/9 dozen.	14 lbs.	...	1/9 each.
$\frac{1}{2}$ lb.	...	...	2/- "	15 lbs.	...	2/- "
1 lb.	...	...	3/- "	16 lbs.	...	2/3 "
2 lbs.	...	...	5/- "	20 lbs.	...	2/6 "
3 lbs.	...	...	7/- "	25 lbs.	...	3/- "
4 lbs.	...	...	8/- "	28 lbs.	...	3/3 "
5 lbs.	...	...	10/- "	32 lbs.	...	4/- "
7 lbs.	...	...	1/- each.	50 lbs.	...	5/9 "
8 lbs.	...	...	1/3 "	56 lbs.	...	6/3 "
10 lbs.	...	...	1/6 "	60 lbs.	...	7/6 "

STEELYARDS.

To weigh	1st.	2nd.	3rd quality.
50 lbs.	9/6	5/9	3/6
60 "	10/6	6/-	3/9
70 "	11/-	6/3	4/-
80 "	11 -	6/9	4/3
100 "	13 -	7/6	4/6
120 "	14/6	8/6	5/-
160 "	17 -	9/-	5/6
200 "	20 -	10/6	6/6
224 "	21/-	—	7/3
250 "	23/6	13/6	—
300 "	27/6	16/-	—
350 "	31/6	18 -	—
400 "	42/-	21 -	—
450 "	52/-	—	—
500 "	60 -	—	—
600 "	80/-	—	—

GRINDSTONES.

	s.	d.		s.	d.		s.	d.
6 inch diameter	...	0 10	30 inch diameter	...	7 9	52 inch diameter	...	39 0
8 "	...	1 0	32 "	...	9 3	54 "	...	43 6
10 "	...	1 2	34 "	...	11 4	56 "	...	50 0
12 "	...	1 6	36 "	...	14 6	58 "	...	57 6
14 "	...	1 9	38 "	...	16 9	60 "	...	64 0
16 "	...	2 3	40 "	...	19 0	62 "	...	73 0
18 "	...	2 9	42 "	...	21 6	64 "	...	82 0
20 "	...	3 2	44 "	...	24 6	66 "	...	92 0
22 "	...	3 6	46 "	...	28 0	68 "	...	101 0
24 "	...	4 0	48 "	...	30 0	70 "	...	110 0
26 "	...	4 9	50 "	...	34 6	72 "	...	120 0
28 "	...	6 0						

SCREW JACKS, &c.

TRAVERSING SCREW JACK,

WITH DOUBLE RATCHET LEVER TO MAIN SCREW.

No.	1	2	3	4	5
Height when down.	20 inches	24 "	26 "	27 "	27 "
Will Traverse	6½ inches	9 "	12 "	16 "	22 "
Will Lift	6 tons	8 "	12 "	15 "	20 "
£ s. d.	6 10 0	7 0 0	7 15 0	9 15 0	12 5 0

WINDLASS SCREW JACK,

SINGLE PURCHASE.

No.	1	2	3	4
Height when down.	29 inches	30 "	31 "	32 "
Will lift	2 Tons.	4 "	6 "	8 "
£ s. d.	5 0 0	5 17 6	6 10 0	8 0 0

RATCHET SCREW JACK.

No.	1	2	3	4
Height when down.	21 inches	24 "	27 "	30 "
Will lift	6 Tons.	8 "	10 "	12 "
£ s. d.	3 17 6	4 10 0	5 7 6	6 10 0

HALEY'S SCREW JACKS.

No.	1	2	3	4	5	6	7	8
Will run out	13 inches	13 "	13 "	13 "	13 "	14 "	14 "	15 "
Will lift	2 Tons.	4 "	6 "	8 "	10 "	12 "	16 "	20 "
£ s. d.	4 10 0	5 0 0	5 15 0	7 0 0	8 0 0	9 0 0	15 0 0	18 10 0

TRIPOD & BOTTLE JACKS,

OR COTTON SCREWS.

No.	1	2	3	4	5	6	7	8	9	10	11	12
Height when down.	9 inches	12 "	15 "	18 "	21 "	24 "	27 "	30 "	33 "	36 "	42 "	48 "
Will lift	1½ Tons.	2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "	18 "
£ s. d.	1 4 0	1 7 6	1 12 0	1 18 6	2 5 0	3 0 0	3 13 0	4 10 0	5 10 0	6 7 6	6 17 6	7 15 0

WINDLASS SCREW JACK,

DOUBLE PURCHASE.

No.	1	2	3
Height when down.	31 inches	32 "	34 "
Will lift	8 Tons.	10 "	12 "
£ s. d.	8 17 6	10 10 0	12 0 0

TRIPOD WINDLASS SCREW JACK.

No.	1	2	3
Height when down.	32 inches	33 "	33 "
Will lift	4 Tons.	6 "	8 "
£ s. d.	5 12 6	6 10 0	7 7 6

BOTTLE JACK,

WITH CAST IRON FRAME.

No.	1	2	3	4	5	6	7
Height when down.	12 inches	15 "	18 "	21 "	24 "	24 "	24 "
Will lift	1½ Tons.	2 "	4 "	5 "	6 "	8 "	10 "
£ s. d.	0 17 6	1 0 0	1 2 6	1 6 0	1 10 0	2 0 0	2 10 0

BRUSHES.

BROOMHEADS—		1st	2nd quality.		1st	2nd quality.					
No. 00	...	7/6	8/6	doz.	No. 6	...	16/- 25/- doz.				
No. 0	...	8/-	10/-	„	No. 7	...	17/6 29/- „				
No. 1	...	9/-	11/6	„	No. 8	...	19/- 33/- „				
No. 2	...	10/-	13/6	„	No. 9	...	22/6 37/- „				
No. 3	...	11/-	14/6	„	No. 10	...	26/- 41/- „				
No. 4	...	12/6	17/-	„	No. 11	...	29/- 45/- „				
No. 5	...	14/6	21/-	„	No. 12	...	32/- 49/- „				
BANNISTER—1		...	16 round	...	7/6	6	...	26 round	...	13/- doz.	
2		...	18 „	...	8/6	7	...	28 „	...	14/- „	
3		...	20 „	...	9/6	8	...	30 „	...	15/6 „	
4		...	22 „	...	10/6	9	...	32 „	...	17/- „	
5		...	24 „	...	11/6	10	...	36 „	...	20/- „	
BASS BROOMS—		000	...	8/-	BASS SCRUBS —		000	...	6/6	doz.	
		00	...	10/6			00	...	8/-	„	
		0	...	12/6			0	...	9/6	„	
		1	...	14/6			1	...	11/-	„	
		2	...	16/-			2	...	13/-	„	
		3	...	18/-			3	...	14/6	„	
		4	...	19/6			4	...	16/-	„	
		000	00	0	1	2	3	4	5		
SCOURING—		12/-	14/6	17/6	19/-	22/-	24/-	26/-	27/-	doz.	
BLACKING OR POLISHING—		No. 1		...	7 × 5	...	9/3	doz.			
		No. 2		...	8 × 5	...	10/-	„			
		No. 3		...	9 × 5	...	12/-	„			
		No. 4		...	10 × 5	...	14/-	„			
		No. 5		...	11 × 5	...	16/-	„			
HORSE—from		...	...	...	8/-	to 82/- per dozen, according				
HAIR		„	...	...	5/6	to 50/- to quality.				
CLOTH		„	...	...	6/-	to 40/- „				
HAT		„	...	...	5/-	to 15/- „				
SHAVING		„	...	...	2/-	to 10/- „				
TOOTH		„	...	...	1/6	to 8/- „				
NAIL		„	...	...	4/-	to 18/- „				
CRUMB		„	...	...	13/-	to 30/- „				
SASH TOOLS—											
0	1	2	3	4	5	6	7	8	9	10	12 dusters
2/-	2/6	3/-	4/-	5/-	6/-	7/6	9/-	12/-	15/-	18/-	22/- doz.
MARKING		1/6	to 4/- doz.	
		0	1	2	3	4	5	6	7	8	9
GROUND PAINT		...	27/-	23/-	20/-	15/-	12/-	9/-	8/-	6/-	5/- 4/- doz.
MASONS' TIED		...	44/-	40/-	35/-	30/-	25/-	20/-	17/-	15/-	13/- — doz.
MASONS' NAILED		—	37/-	33/-	28/-	23/-	20/-	16/-	13/-	12/-	— doz.
Discount		per cent. according to quality.									

TRUNKS, &c.

OVERLAND TRUNK,
WITH REMOVABLE JAPANNED AIR-TIGHT TIN BOX.

Length.	Size.		Good Quality, exceedingly light and durable	Best Quality with iron ribs and copper rivetted.	Solid Leather with Best Lever Locks and two keys, iron ribs and copper rivetted.	Light Trays to fit inside	Strong Canvas Covers bound with Leather.	Pair of Strong Luggage Straps.	Removable Air tight Japanned Tin Box to fit inside Overland.
In.	In.	Depth.	£ s. d.	£ s. d.	£ s. d.	s. d.	s. d.	s. d.	£ s. d.
27	14	14	1 7 0	1 16 0	2 15 0	4 0	7 6	5 0	1 10 0
30	15	15	1 10 0	2 0 0	3 5 0	4 6	8 6	5 6	1 16 0
33	16	16	1 15 0	2 5 0	3 18 6	5 0	9 6	6 0	2 2 0
36	16	16	2 0 0	2 10 0	4 7 6	5 6	10 6	6 6	2 8 0

BULLOCK TRUNKS FOR INDIA AND CHINA.

Size.			Removable Japanned Air-tight Tin Box to fit inside Trunk.	With one or two Trays and Divisions, suitable for Ladies.
			£ s. d.	£ s. d.
2 feet 3 inches	...		1 10 0	1 Tray and division 1 16 0
2 feet 6 inches	...		2 0 0	2 " " 2 8 0

ROYAL NAVY CHEST.

Painted inside and out, with lid covered sailcloth, iron band, entirely waterproof.
42 in. by 24 in. by 26 in. ... £6 10 0. With Telescope Fittings, &c. ... £7 10 0.

PAINTED NAVY CHESTS.

Fitted Complete, with Two Trays, &c.

39 in. by 18 in. by 18 in. ... £1 15 0. 42 in. by 19 in. by 19 in. ... £2 0 0.

GREEN'S MERCHANT SERVICE CHESTS.

Fitted Complete, with Two Trays, &c.

APPRENTICES.

MIDSHIPMEN.

36 in. by 19 in. by 19 in. ... £1 15 0. 39 in. by 22 in. by 22 in. ... £2 5 0.

STRONG PACKING TRUNKS.

Length.	Width.	Depth.		Length.	Width.	Depth.	
in.	in.	in.		in.	in.	in.	
24	14 $\frac{1}{2}$	9	4/6	36	18 $\frac{1}{2}$	13	7 6
27	15 $\frac{1}{2}$	10	5/-	39	19 $\frac{1}{2}$	13 $\frac{1}{2}$	8 6
30	16 $\frac{1}{2}$	11	5 6	42	20 $\frac{1}{2}$	15 $\frac{1}{2}$	10 -
33	17 $\frac{1}{2}$	12	6 6	45	21 $\frac{1}{2}$	16 $\frac{1}{2}$	11/-

CHESTS LINED WITH TIN.

To solder down, with locks, hinges, and handles, for linen, books, saddlery, &c., nearly as cheap as ordinary tin lined packing cases, and suitable for permanent use.

18 in. by 18 in. by 12 in.	...	15/-	30 in. by 17 in. by 18 in.	...	26/-
24 in. by 18 in. by 15 in.	...	17/6	33 in. by 18 in. by 19 in.	...	32/-
24 in. by 18 in. by 19 in.	...	21/-	36 in. by 19 in. by 20 in.	...	38/-

GENTLEMEN'S PORTABLE DRESSING CASES.

1ST SIZE.—4 $\frac{3}{4}$ in. by 3 $\frac{1}{2}$ in. by 7 $\frac{1}{4}$ in.

Contains Satinwood Hair, Hat and Cloth Brushes, Strop, Comb, Soap Dish, Looking Glass, Tooth, Nail and Shaving Brushes, Pair of Razors, Nail File, Scissors, Tweezers, and Watch Hook.

In Russia Leather, with double-action Lock, £2 12 0. In French Morocco, £2 5 0.

2ND SIZE.—5 $\frac{1}{4}$ in. by 3 $\frac{1}{2}$ in. by 7 in.

Contains same as above, with the addition of silver-capped Scent Bottle, larger Glass, and extra Roller for Tooth and Nail Brushes.

In best Russia Leather ... £3 5 0. In French Morocco ... £2 17 6.

3RD SIZE.—6 in. by 3 $\frac{3}{4}$ in. by 7 in.

Contains two silver-capped Scent Bottles, extra large and fine made Brushes, and full set of superior Cutlery, as per above sizes.

In Russia Leather ... £3 15 6. In French Morocco ... £3 7 6.

GENTLEMEN'S ROLL-UP DRESSING CASES.

Made in Morocco and Russia Leather, and fitted with Cutlery, Instruments, Shaving Brush Roller, Tooth and Nail Roller, with Brushes complete, from 25/-

MATCHES AND VESTAS.

FOREIGN—in tin lined cases (free) of 50 gross each, delivered free in the Thames.

NORWEGIAN WOODEN MATCHES.

Taendstikkere	...	...	...	...	...	2/-	per gross boxes.
Safety Matches	...	...	...	...	...	2/8	„ „

WAX VESTAS.

Quantity of Matches 25 25 25 25 25 30 38 30 75 90 100 115 120 150

Fancy slide Paper

Boxes, p. gro. boxes 1/8 2/- 2/1 2/2 2/3 2/9 2/9 3/4 3/9 6/- 7/3 8/- 8/- 10/-

Quantity of Matches 30 40 50 40 50 35 38

Fancy Paper Boxes, with elastic

p. gross boxes ... 3/- 4/2 4/9 5/3 5/3 5/- 6/-

Round Scotch Paper Boxes containing 75 matches ... 4/6 per gro. boxes.

Quantity of Matches 50 100 100 250 250 500 500 1000 1000

Japanned Tin Boxes, per

gro. boxes ... 7/10 12/- 15/- 16/6 22/- 31/3 40/6 55/- 90/-

ENGLISH—in quantities as required, packages extra.

MATCHES.

Tandstickers (in 50 gross cases)	...	...	...	3/-	per gross boxes.
Victoria	...	Nominal contents	100	3/6	„ „
Ditto	...	„	200	6/6	„ „
Crown	...	„	100	3/6	„ „
Ditto	...	„	200	6/6	„ „
Ruby	...	„	100	3/6	„ „
Ditto	...	„	200	6/6	„ „
Pearl	...	„	100	3/6	„ „
Ditto	...	„	200	6/6	„ „
Tiger	...	„	100	3/6	„ „
Ditto	...	„	200	6/6	„ „
Patent Safety	...	Small 4/-	Large 8/-	„	„

WAX VESTAS.

Oval Spring Boxes, small size...	...	...	...	8/-	per gro. boxes.
Ditto ditto medium	...	...	...	16/-	„ „
Ditto ditto large	...	...	...	20/-	„ „
Fancy Card Spring Boxes	...	...	...	6/6	„ „
Japanned Square Boxes	...	Nominal Contents	150	18/-	per gro. boxes.
Decorated Tin ditto	„	„	250s	30/-	„ „
Ditto ditto ditto	„	„	250M	36/-	„ „
Ditto ditto ditto	„	„	250L	42/-	„ „
Ditto ditto ditto	„	„	500s	54/-	„ „
Ditto ditto ditto	„	„	500M	60/-	„ „
Ditto ditto ditto	„	„	500L	66/-	„ „
Ditto ditto ditto	„	„	1000s	102/-	„ „
Ditto ditto ditto	„	„	1000M	114/-	„ „
Ditto ditto ditto	„	„	1000L	132/-	„ „

WHIPS.

GIG, BUGGY, CAB, AND CARRIAGE WHIPS.

Holly Sticks	...	...	...	from 14/-	to 36/-	per doz.
"	"	Electro-plated Mountings...	...	" 30/-	" 240/-	"
"	"	Sterling Silver Mountings	...	" 120/-	and upwards	"
"	"	Gold-plate Mountings	...	" 180/-	"	"
Lancewood Sticks, plain	...	...	...	" 16/-	"	"
"	"	Fancy Knotted	...	" 54/-	"	"
"	"	Enamelled in various colours	...	" 42/-	"	"
Yew Sticks, assorted as the Hollies, at proportionate prices	...	...	...	" 16/-	to 30/-	"
Cane and Thread	...	...	...	" 24/-	" 48/-	"
Whalebone and Gut	...	Electro-plated Mountings	...	" 30/-	" 66/-	"
"	"	Electro-plated Mountings...	...	" 48/-	" 120/-	"
Whalebone Plaited	...	...	...	" 96/-	and upwards	"
Solid Whalebone, of various lengths and sizes	...	...	...	" 144/-	"	"
American or French Gig Whips, Whalebone and Gut, with lash and stock plaited all in a piece	...	...	...	" 48/-	"	"
American Buggy Whips, Straight Tops, with Bone and Gut, Malacca Cane, and Holly Stick hand parts	...	...	...	" 51/-	"	"
Raw Hide Driving Whips, of various shapes	...	...	...	" 78/-	"	"
Malacca and Rattan Cane Driving Whips, of various patterns	...	...	...	" 27/-	"	"

Lengths and sizes of the above varied as required.

TANDEM, FOUR-HORSE, AND HANSOM CAB WHIPS.

Tandem Whips, Holly, and Yew Sticks	...	...	...	from 42/-	and upwards	per doz.
"	"	Whalebone and Gut, with Slings, Thongs,	...	" 96/-	"	"
"	"	(White and Raw Hide)	...	" 42/-	"	"
Four-Horse Whips, Holly and Yew Sticks	...	...	...	" 96/-	"	"
"	"	Whalebone and Gut, with Sling Thongs,	...	" 36/-	"	"
"	"	(White and Raw Hide)	...	"	"	"
Hansom Cab Whips, Holly Sticks	...	...	...	"	"	"

LADIES' RIDING WHIPS.

Cane and Thread	...	...	...	from 5/-	to 21/-	per doz.
"	"	Electro-plated Mountings	...	" 10/-	" 30/-	"
Whalebone and Gut	...	...	...	" 22/-	" 48/-	"
"	"	Electro-plated Mountings	...	" 24/-	" 120/-	"
"	"	Sterling Silver	...	" 42/-	and upwards	"
"	"	Gold Plate	...	" 66/-	"	"

GENTLEMEN'S RIDING WHIPS.

Cane and Thread	...	...	...	from 7/-	to 20/-	per doz.
"	"	Electro-plated Mountings	...	" 15/-	" 42/-	"
Whalebone and Gut	...	...	...	" 27/-	" 84/-	"
"	"	Electro-plated Mountings	...	" 36/-	" 180/-	"
"	"	Sterling Silver	...	" 96/-	and upwards	"
"	"	Gold Plate	...	" 120/-	"	"
Raw Hide	...	...	...	" 22/-	to 36/-	"
"	"	Electro-plated Mountings	...	" 30/-	" 120/-	"
"	"	Sterling Silver	...	" 96/-	and upwards	"
All over Plaited Black, Coloured and White Whalebone, mounted as required	...	...	...	"	"	"

HUNTING WHIPS, WITH THONGS.

Cane and Thread	...	...	...	from 14/-	to 42/-	per doz.
"	"	with Brass, Iron, or White Metal Hammer Heads	...	" 28/-	" 54/-	"
Whalebone and Gut, with Buck-horn Hooks	...	...	...	" 45/-	and upwards	"
"	"	Brass and Iron Hammer Heads	...	" 48/-	"	"
"	"	German-silver and Electro-plated Hammer	...	" 66/-	"	"
"	"	Heads	...	" 108/-	"	"
"	"	Sterling Silver Mountings	...	" 144/-	"	"
"	"	Gold Plate Mountings	...	" 84/-	"	"
All-over Plaited Black Whalebone	...	...	...	" 96/-	"	"
"	"	with Electro-plated Hammer Heads,	...	" 120/-	"	"
"	"	and various Fancy Mountings to suit the South American Market	...	" 168/-	"	"
All-over Plaited Black Whalebone, Sterling Silver Mountings	...	...	...	"	"	"
"	"	Gold Plate Mountings	...	"	"	"
"	"	White, Purple, Blue, Red, or Green Whalebone,	...	"	"	"
"	"	assorted Mountings as required	...	"	"	"
Plaited Raw Hide, with Hooks or Hammer Heads	...	...	...	" 72/-	"	"
Malacca Cane	...	...	...	" 30/-	"	"
"	"	Electro-plated Mountings	...	" 36/-	"	"
"	"	Sterling Silver	...	" 108/-	"	"
"	"	Gold Plate	...	" 144/-	"	"

DOGWHIPS AND LEATHER FLOGGERS.

Dog Whips, assorted Handles and Thongs	...	...	...	from 14/-	and upwards	per doz.
Leather Floggers, Brown Basil	...	...	...	" 7/-	"	"
"	"	White Horse Hides	...	" 18/-	"	"
"	"	Raw Hide	...	" 22/-	"	"

CORNICE POLES, RINGS, &c.

		per foot.	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4in.
Plain wood poles, $\frac{3}{4}$ -covered, with brass ordinary quality	...	...	—	—	—	-/10	1/-	1/1	1/4	1/6	2/2	2 6	3 -	3 6
Ditto	ditto, medium quality		—	—	—	1/2	1/4	1/6	1 9	2/-	—	3 -	-	—
Ditto	ditto, best	„	—	—	—	1/4	1/6	1/9	2/-	2 4		3 4	-	—
Wood poles, with inlaid brass borders, veneered with walnut, rosewood, mahogany, or maple, 1 groove	...		—	—	—	—	—	2/4	2/8	3/-	—		-	—
Ditto	ditto	ditto, 2 groove	—	—	—	—	—	2/6	2/10	3 2	—			—
Ditto	ditto	ditto, 3 groove	—	—	—	—	—	2 10	3 2	3 6				—
Fluted wood poles, $\frac{3}{4}$ -covered, with brass			—	—	—	—	—	2 6	2 8	3 -		—	—	—
Reeded wood poles	ditto	ditto	—	—	—	2 2	2 4	2 6	2 8	3 -	—	—	-	—
Brass tube poles	...	...	—	2/3	2/8	2/11	3 4	4 -	4 6	5 -	—	-	-	—
Ditto	ditto, light	„	—	1/10	2/4	2/6	—	—	—	—	—	—	-	—

RINGS.

Plain	...	...	...	per doz.	1/5	1/7	1/11	2/1	2 3	2'9	3 3	3 8	4 8	5 5	6,7	8/4
Ditto, strong	...	...	...	„	2/3	2,8	3/2	3/6	4/-	4/5	5 3	6 2	7 3	8,4	9,8	11/-
Ornamented	...	...	...	„	—	—	—	—	—	6/6	7 -	7 9	8 6	9/6	11/-	12,3
Fancy strong	...	...	...	„	—	—	—	—	—	—	—	—	11/-	13/-	14 -	—

BRACKETS.

Fancy roses	...	...	per pair	1/2	1/3	1/3	1/4	1/7	1/9	2 1	2 6	—	—
Ditto, stronger and better finished „				1/9	1/11	2/1	2/2	2 8	3/1	3/6	4 1	4 3	5 3 6 7 8 9

ENDS.

Acorn	for $\frac{3}{4}$ -in. poles	...	..	...	...	.	...	...	1/4	per pair.
Conical fancy	,, $\frac{7}{8}$ -in.	,,	.	...	...	...	...	...	1/6	,,
Ditto	,, 1-in.	,,	..	...	.	..	.	...	1/10	,,
Melon	,, $1\frac{1}{2}$ -in.	,,	...	..	.	...	...	..	3/6	,,
Globe, fancy	,, 2-in.	,,	...	...	...	...	.	...	5/2	,,
Fancy	,, $2\frac{1}{4}$ -in.	,,	...	..	...	.	...	.	3/6	,,
Melon, burnished all over, for $2\frac{1}{2}$ -in. poles			.	...	.	..	.	.	21	..
Plain globe, for $2\frac{1}{2}$ -in. poles	...	...	.	..	.	..	.	.	6/-	,,
Fancy	,, 3-in.	,,	..	..	.	.	.	...	9/-	,,
Leaves to hang $12\frac{1}{2}$ in. long by $6\frac{1}{4}$ in.			.	...	...	..	..	..	4	..
Fruit	,, 15in.	,,	$6\frac{3}{8}$ in.	..	.	..	..	...	4 6	,,
Ditto stronger	15in.	,,	$6\frac{3}{8}$ in.	..	..	...	..	.	5 3	,,
Grapes to hang $14\frac{1}{2}$ in.	,,	7in.	...	.	...	..	..	..	6 6	,,
Pineapples	,, $17\frac{1}{2}$ in.	,,	$7\frac{1}{2}$ in.	...	.	..	...	..	7	..
Cherry	,, $13\frac{1}{2}$ in.	,,	$7\frac{1}{2}$ in.	..	..	...	...	...	8	..
Fuschia	,, 19in.	,,	7 in.	...	..	.	.	...	15	..

BELLS.

HOUSE AND TURRET BELLS.

Diam.	Weight.	Diam.	Weight.	Diam.	Weight.
2 $\frac{1}{2}$ in. ...	... 6oz.	5 $\frac{1}{2}$ „ ..	... 2 $\frac{1}{2}$ lbs.	11 $\frac{1}{2}$ „ ...	... 35 lbs.
2 $\frac{3}{4}$ „ ...	... 6 „	6 „ ...	... 3 „	12 „ ...	... 40 „
3 „ ...	... 8 „	6 $\frac{1}{2}$ „ ...	... 4 „	12 $\frac{1}{2}$ „ ...	... 47 „
3 $\frac{1}{8}$ „ ...	... 9 „	7 „ ...	... 5 „	13 „ ...	... 52 „
3 $\frac{1}{4}$ „ ...	... 10 „	7 $\frac{1}{2}$ „ ...	... 7 „	13 $\frac{1}{2}$ „ ...	... 61 „
3 $\frac{3}{8}$ „ ...	... 11 „	7 $\frac{3}{4}$ „ ...	... 8 „	14 „ ...	... 68 „
3 $\frac{1}{2}$ „ ...	... 12 „	8 „ ...	... 10 „	15 „ ...	... 84 „
3 $\frac{3}{4}$ „ ...	... 14 „	8 $\frac{1}{2}$ „ ...	... 11 $\frac{1}{2}$ „	16 „ ...	... 102 „
4 „ ...	... 16 „	9 „ ...	... 14 „	17 „ ...	... 118 „
4 $\frac{1}{8}$ „ ...	... 18 „	9 $\frac{1}{2}$ „ ...	... 17 „	18 „ ...	... 144 „
4 $\frac{1}{4}$ „ ...	... 20 „	10 „ ...	... 21 „	19 „ ...	... 174 „
4 $\frac{1}{2}$ „ ...	... 24 „	10 $\frac{1}{2}$ „ ...	... 26 „	20 „ ...	... 218 „
5 „ ...	... 2 lbs.	11 „ ...	... 30 „		

PRICES—5in. and below, 1/- per lb. }
 above 5in. 1/1 „ } varying with the value of copper.

NEGRO BELLS.

	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{3}{16}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$ in.
Brass ...	8/6	10/9	11/6	15/6	18/6	20/6	26/-	28/6	32/- p.gross.

If white, -/6 per gross extra.

FERRET OR SLEIGH BELLS.

40 lines to an inch.

Lines.	Best Spherical.				Common Flat.			
20	2/-	...	...	—	per gross.	
22	—	1/3	„	
32	—	1/9	„	
38	3/9	...	...	—	„
40	4/3	...	...	—	„
If white, 32 line and under ...				...	...	-/3 extra.		
„ over 32 line ...				...	...	-/6 „		
If washered ...				...	...	-/3 „		

BELLS.

	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8 inch.
Dinner Bells, with turned edges and crown, and hardwood handles ...	1/6	1/10	2/4	3/-	4/-	5/-	5/9	7/-	8/-	10/3	13/6 ea.
Polished and lacquered, with ebony or china handles ...	2/1	2/6	3/2	4/3	5/3	6/9	8/-	9/9	11/6	15/-	19/6 ea.
Ditto ditto, lacquered red, -/3 extra.											
	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{2}$	5 inch.
Office Bells, polished ...	—	—	1/1	1/2	1/5	1/8	1/10	2/-	2/5	3/6	4/6 ea.
Ditto, lacquered or white	—	—	1/2	1/3	1/6	1/9	2/-	2/2	2/7	3/9	4/9 ea.
Tea Bells, white metal	5/-	6/-	7/3	8/6	10/-	11/6	14/-	—	—	—	— doz.
Ditto ditto, heavy	6/-	7/-	8/3	9/6	11/-	13/-	16/-	—	—	—	— doz.

BELLS (continued).

ELECTRIC BELLS.

Indicators	...	...	...	...	...	...	...	...	9/- each.
No.	0	1	2	3	4	5	6	7	8
Size of bell	2	2½	3	3¾	4½	5	6	8	10 inch.
Bells ...	7/6	10/6	14/-	16/6	20/-	25/-	30/-	38/-	50/- each.
Touches in fancy woods, polished or china	...	...	...	...	...	...	...	...	2/- each.
Ditto in china, large size, white and gold	...	...	...	...	...	...	...	...	3/- each.
Galvanic Battery	...	...	...	...	...	...	...	...	4/6 per cell.
Ditto ditto, large	...	...	...	...	...	...	...	...	6/- per cell.
Deal Battery Boxes, with binding screws attached for 4 cells	...	...	...	...	...	...	...	...	4/- each.
Ditto ditto	...	...	...	...	...	...	...	...	5/- each.
Ditto ditto	...	...	...	...	...	...	...	...	6/- each.
Ditto ditto	...	...	...	...	...	...	...	...	8/- each.
Patent Insulation Copper Wire	...	...	...	...	...	...	...	...	10/- per 100 yards.
Ditto ditto, tinned and covered, with India-rubber and cotton, and varnished...	...	...	...	...	...	...	...	...	12/- „ „
Ditto ditto	...	...	...	...	...	...	...	...	14/6 „ „
Ditto ditto	...	...	...	...	...	...	...	...	18/- „ „
Gutta-percha covered wire for under ground purposes, medium, -/4 p. yard.	...	...	...	...	...	...	...	...	...
Ditto ditto	...	...	...	...	...	...	...	...	thick -/6 „

For quantities of 400 yards and upwards a reduction is made; and for 800 yards and upwards, a further reduction.

DRAWING INSTRUMENTS.

Mahogany Case, containing double brass screw joint compass, with pen and pencil legs, divider, ruling pen, and box scale	...	...	...	47/-	50/- dozen.
Ditto, with superior steel joint ditto as above, and box scale	...	...	...	52/-	55/- „
Mahogany Case, with scales, &c., in lid, containing double brass screw joint compass, with pen and pencil legs, divider, bow pen, ruling pen, brass protractor, ebony parallel rule, box scale, and pencil	...	...	...	6/6	each.
Ditto, with superior round point steel joint instruments	...	...	...	7/3	„
Mahogany Case, with tray, containing burhead steel joint compass, with pen and pencil legs, divider, bow pen and ruling pen, brass protractor, ebony parallel rule, box scale, and pencil	...	...	...	9,3	„
Padded Mahogany Case, with tray and lock, &c., containing best brass burhead compass, with pen and pencil legs, divider, bow pen, bow pencil, lift-up jaw ruling pen, best brass protractor, ebony parallel rule, box scale, pencil, and knife key—(these instruments with fine round points, and of stronger and superior make)	...	...	...	15/-	„
Best Padded Mahogany Case, containing brass slip-up compass, pen and pencil legs, and lengthening bar, best bow pen and lift-up jaw ruling pen, box protractor and scale, ebony parallel rule, knife key, and pencil	...	...	...	21,6	„
Best Padded Mahogany Case, with 8GS slip-up instruments, and full set scales	...	...	...	28,6	„
Ditto ditto ditto, with 13 electrum pieces and full set scales	...	...	...	48/-	„
Silk Velvet Padded Case, with 13 best electrum rule joint instruments, and ivory parallel and protractor, &c.	...	...	...	72,6	„
Ditto, with 17 extra finished electrum real needle-point instruments, and three ivory scales, and parallel rule complete	...	...	...	147/-	„

GALVANIZED WROUGHT IRON HOLLOWWARE.

BUCKETS.

GALVANIZED IRON.

No.					10	11	12	13	per doz. 14 in.
00	...	...	...	...	9/6	10/9	12/6	14/3	16/6
0	...	...	...	...	10/6	11/6	13/3	15/-	17/-
1	...	...	...	...	11/6	13/3	15/-	17/-	20/-
3	...	...	...	...	13/6	15/3	18/6	21/3	24/-
2	Rivetted sides	...	...	...	12/9	14/3	16/3	18/6	20/6
4	"	...	...	...	15/-	16/6	19/6	22/3	25/3

WATERING CANS.

GALVANIZED IRON.

1	1½	2	2½	3	per doz. 4 gallons.
25/3	27/9	30/6	33/9	37/9	43/-

BATHS.

GALVANIZED IRON.

No.			14	16	18	20	22	24	26	28	per doz. 30 in.
0	Oval	...	14/6	15/9	17/-	22/3	25/-	29/-	34/-	42/6	49/6
1	"	...	15/9	20/-	22/6	26/-	31/-	39/-	44/6	52/6	62/-
2	"	...	16/-	21/-	25/-	29/-	34/-	41/6	50/6	57/9	65/-
2	Round	...	17/-	22/6	27/-	31/-	39/6	44/6	52/6	61/-	70/6

CORN MILLS.

Inch			If with 2 handles, Iron or Wood, and no Fly			Fly Wheels			Wheels and Pinions
17	...	...	20/-	...	...	25/-	...	...	43/-
18	...	...	21/-	...	...	26/-	...	...	45/-
19	...	...	22/-	...	...	27/-	...	...	47/-
20	...	...	24/-	...	...	29/-	...	...	49/-
21	...	...	26/-	...	...	31/-	...	...	51/-
22	...	...	28/-	...	...	33/-	...	...	53/-
23	...	...	31/-	...	...	36/-	...	...	57/-
24	...	...	34/-	...	...	40/-	...	...	60/-
25	...	...	38/-	...	...	44/-	...	...	66/-
26	...	...	42/-	...	...	48/-	...	...	70/-
27	...	...	46/-	...	...	52/-	...	...	75/-
28	...	...	50/-	...	...	56/-	...	...	80/-
29	...	...	54/-	...	...	60/-	...	...	86/-
30	...	...	58/-	...	...	64/-	...	...	92/-
31	...	...	62/-	...	...	68/-	...	...	98/-
32	...	...	66/-	...	...	72/-	...	...	106/-
33	...	...	70/-	...	...	78/-	...	...	116/-
34	...	...	75/-	...	...	84/-	...	...	126/-
35	...	...	80/-	...	...	90/-	...	...	140/-
36	...	...	90/-	...	...	100/-	...	...	150/-

With Brass Bushes, 7/- per Mill extra.

Discount per cent, according to quality.

AXLE TREES.

	1	1½	1¾	1½	1½	1½	1½	2 in.	
Screwed-end Arms, with Square Nuts —	13/-	15/-	17/-	20/-	24/6	28/6	34/6	40/-	48/6
p. axle of 2 arms									
Long or Short Bolt Patent Mail Axles —	20/-	21/6	24/-	26/6	32/-	38/-	46/-	55/-	65/-
p. axle of 2 arms									
Long Bolt Patent Improved Mail, } Buggy Axles—p. axle of 2 arms ... }	21/-	22/6	25/-	27/6	33/-	39/6	48/-	57/-	68/-
	1¾	1½	2	2¼	2½	2¾	3 in.		
Drabble's Patent Van Arms, Flat Beds }	44/-	47/-	49/6	55/-	62/-	71/6	85/-		
p. axles of 2 arms									
Round Beds	48/-	52/6	57/6	66/6	77/6				
Extra, butterfly flaps	12/-	13/-	14/-						
Extra, shutting up	2/-	2/6	3/-						
	1	1½	1¾	1½	1½	1½	1½	2 in.	
Colling's Patent Axles—p. axle of 2 }	30/-	33/-	37/6	43/-	48/6	57/6	66/-	77/6	92/-
arms									
Plain Flaps, extra—p. axle of 2 arms...	5/-	5/-	5/6	5/6	6/-	7/6	8/6	10/-	11/-
Caulked Flaps, extra—p. axle of 2 arms	5/-	5/-	5/6	5/6	6/-	7/6	8/6	10/-	11/-
Butterfly Flaps, extra—p. axle of 2 arms	8/-	8/-	8/6	8/6	9/6	11/-	13/-	14/-	15/6
Crown Back Butterfly, extra—p. axle }	9/6	9/6	10/-	10/-	11/-	13/-	15/-	16/6	19/-
of 2 arms									
Extra upon long and short Bolt Mail, }	13/-	13/-	14/6	15/-	17/-	19/6	25/-	30/-	35/-
and Colling's Axles—extra, cranks }									
6-in. deep									
p. inch deeper cranks	1/6	1/6	1/9	1/9	2/-	2/-	2/6	3/-	4/-
Extra, shutting up	1/9	1/9	1/9	1/9	1/9	2/3	2/3	2/9	3/6
	1/- each for plating caps.								
	-/6 „ engraving.								

WHEELBARROWS.

Portable wrought-iron, made to nest for exportation, painted					
black, ordinary shape	...	...	...	...	20/- each.
Ditto	Navigators'	...	...	...	18/- each.
If with galvanized body, 5/6 extra.					
" " body and frame, 8/6 extra.					
Wooden Navigators,'	with cast-iron wheels	...	...	...	15/6 each.
Ditto	ditto	with wrought-iron wheels	...	...	20/- each.

FLINTS.

No.		s.	d.
1	Large Common Gun Flints, mixed colour ...	2	0 per 1000
3	Musket Flints, mixed colour ...	3	6
4	Carbine Flints, ditto ...	3	6
5	Horse Pistol Flints ditto ...	2	9
9	Musket Flints, common black ...	4	0
10	Double Edge Carbine Small Size Flints ...	4	0
11	Black Superior Double Edge Muket Size Flints ...	5	0
12	Ditto, Best Horse Pistol Flints ...	4	6
13	Ditto, Second Single Rifle or Fusee Flints ...	4	0
14	Ditto Smaller Size ditto ...	3	6
15	Ditto Best Musket Flints ...	5	0
16	Ditto Large Size for Sealing Guns ...	6	0
17	Ditto extra Superfine Carbine Flints... ..	5	0
18	Ditto ditto Rifle or Fusee Flints ...	5	0
19	Ditto Smaller Size ditto Flints ...	4	0
20	Dutch Tinder Box Flints ...	5	0

N.B. —These prices are for Flints packed loose in 5,000 or 10,000, Kegs.

MATCHETTS.

Wood handles, 1 furrow, 18 × 1 $\frac{3}{4}$ × 2 inch ...	...	5/- per dozen.
Ditto ditto 20 × 1 $\frac{3}{4}$ × 2 „ ...	...	5/4 „
Ditto ditto 22 × 1 $\frac{3}{4}$ × 2 „ ...	...	5/9 „
Ditto ditto 18 × 2 × 2 $\frac{1}{4}$ „ ...	...	5/6 „
Ditto ditto 20 × 2 × 2 $\frac{1}{4}$ „ ...	...	5/9 „
Ditto ditto 22 × 2 ... 2 $\frac{1}{4}$ „ ...	...	6/- „

Plain or ribbed horn handles, 2/- per dozen extra.

Two furrows, 1d. per dozen extra.

Three „ 2d. „ „

MONEY CHESTS.

No.							£	s.	d.
No. 1	...	12 in. long,	9 in. wide,	7 $\frac{1}{2}$ in. deep	...	...	0	18	0
„ 2	...	14 „	10 „	9 „	...	...	1	0	0
„ 3	...	16 „	12 „	11 „	...	...	1	2	0
„ 4	...	18 „	13 „	12 „	...	...	1	6	0
„ 5	...	20 „	14 „	13 „	...	...	1	8	0
„ 6	...	22 „	15 $\frac{1}{2}$ „	14 „	...	...	1	15	0
„ 7	...	24 „	17 „	15 „	...	...	2	0	0
„ 8	...	26 „	18 „	16 „	...	...	2	8	0
„ 9	...	28 „	19 „	17 „	...	...	2	12	0
„ 10	...	30 „	20 „	18 $\frac{1}{2}$ „	...	...	2	16	0
„ 11	...	32 „	21 „	20 „	...	...	3	10	0
„ 12	...	34 „	22 $\frac{1}{2}$ „	21 „	...	...	4	2	0
„ 13	...	36 „	24 „	22 $\frac{1}{2}$ „	...	...	4	15	0
„ 13A	...	38 „	25 „	23 $\frac{1}{2}$ „	...	...	5	8	0
„ 14	...	40 „	25 „	24 $\frac{1}{2}$ „	...	...	6	0	0

N.B.—Cast Iron Chests are not made with Lions unless ordered.

Extra for Patent Locks.

BINOCULARS.

						Diameter of object glass.	
						11 lines.	13 lines.
Opera Glass, black leather body, japanned or gilt slides,	...	...	...	...	...	9/6	12/6
six glass	...	...	...	...	...
Ditto ditto ditto ditto ditto, six	...	...	...	...	...
glass, patent crystal	...	...	...	...	...	13/-	16/-
Ditto, Ivory body, gilt slides, 6 glass	...	...	...	...	...	15/-	16/6
Ditto ditto ditto, patent crystal	...	...	...	...	...	18/6	21/-
Ditto, pearl body, gilt slides, 6 glass	...	...	...	...	...	27/-	34/-
Ditto ditto ditto, patent crystal	...	...	...	...	...	31/-	38/-
						15 lines or 1 $\frac{1}{2}$ inch.	17 lines.
Ditto, enamelled body, gilt slides, 6 glass	...	...	...	...	...	36/-	42/-
Ditto ditto ditto patent crystal	...	...	...	...	...	44/-	50/-
Ditto ditto ditto, 12 glass ditto	...	...	...	...	...	56/-	65/-
Ditto, tortoiseshell body ditto, 12 glass ditto	...	...	...	...	...	43/-	47/-
Binocular, with sunshade, leather body, 6 glass	...	...	...	...	...	—	18/-
Ditto ditto ditto ditto, patent crystal	...	...	...	...	...	—	22/-
Ditto ditto ditto 12 ditto ditto	...	...	...	...	...	—	33/-
						21 lines.	24 lines.
Ditto, with folding eye shades, black leather body, 6 glass	...	...	...	...	...	42/-	48/-
Ditto ditto ditto 6 glass, patent crystal	...	...	...	...	...	46/-	52/-
Ditto ditto ditto 12 glass ditto	...	...	...	...	...	62/-	68/-


NICKEL SILVER.


FIDDLE PATTERN.

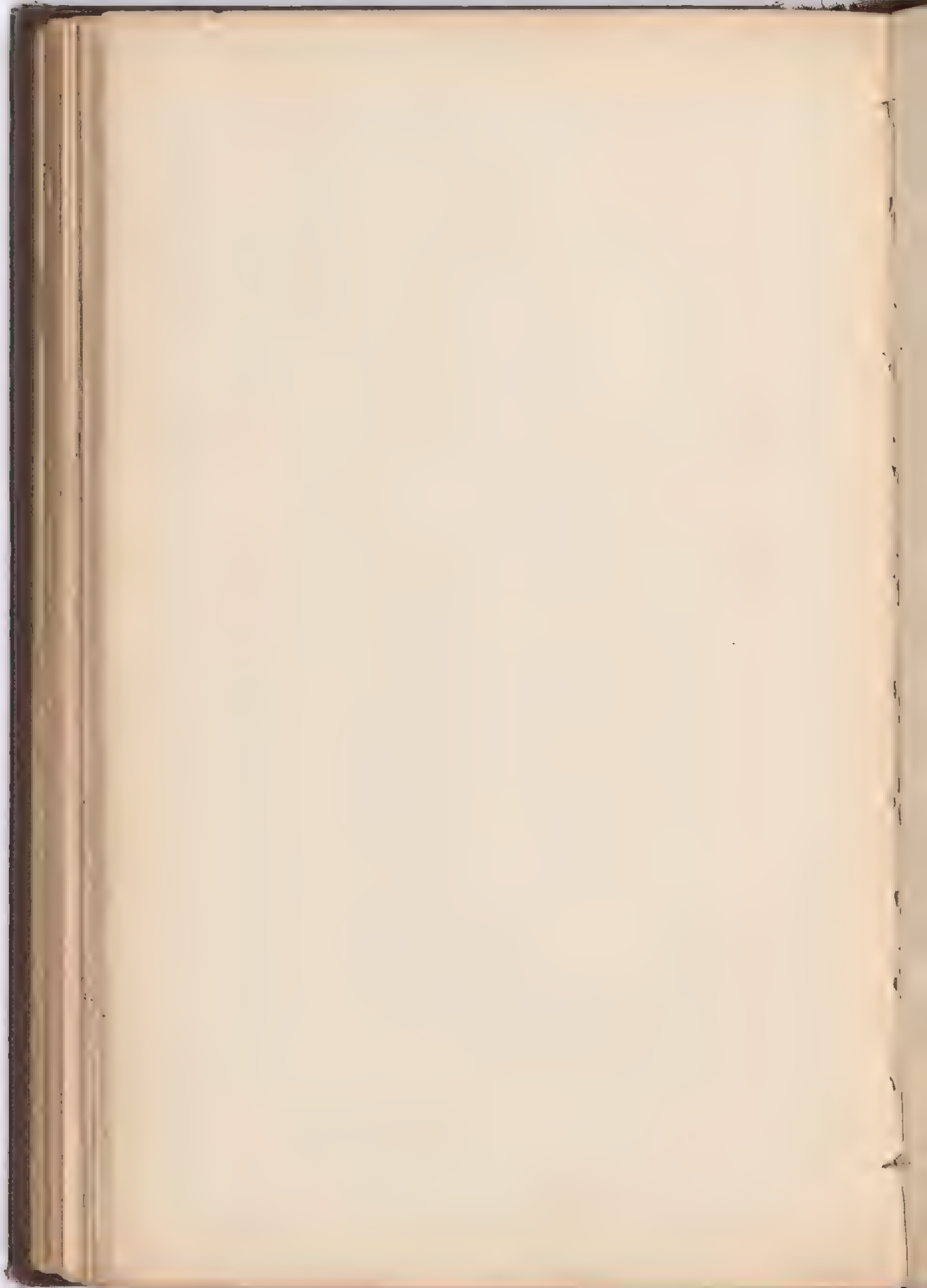
	No. 1		No. 2		No. 3
	Per doz.		Per doz.		Per doz.
Table Spoons, full size	3210 11/		3101 9/		3169 7/6
Table Forks "	3211 11/		3102 9/		3170 7/6
Table Spoons, medium size	3212 10/		3103 8/		3171 6/6
Table Forks "	3213 10/		3104 8/		3172 6/6
Table Spoons, small size	3231 9/		3105 7/		3173 6/
Table Forks "	3232 9/		3106 7/		3174 6/
Dessert Spoons, full size	3214 7/		3107 6/		3175 5/
Dessert Forks "	3215 7/		3108 6/		3176 5/
Dessert Spoons, small size	3233 6/6		3109 5/6		3177 4/6
Dessert Forks "	3234 6/6		3110 5/6		3178 4/6
Tea Spoons, full size	3218 3/9		3111 3/3		3179 3/
" " medium size	3219 3/6		3112 3/		3180 2/9
" " small size ...	3216 3/3		3113 2/9		3181 2/6
" " special	3220 2/9		3114 2/3		3182 2/
Salt Spoons ..	3222 3/3		3151 2/9		3183 2/6
Mustard Spoons...	3223 3/3		3152 2/9		3184 2/6
Egg Spoons	3224 3/3		3153 2/9		3185 2/6
Sugar Bows ..	3235 11/		3154 9/		3186 7/6
Sugar Bows, small size	3236 9/		3155 7/		3187 6/
Sugar Spoons .	3225 6/		3156 5/		3188 4/6
Caddy Spoons	3237 6/		3157 5/		3189 4/6
Pickle Forks .	3238 6/		3158 5/		3190 4/6
Butter Knives	3239 10/		3159 8/		3191 6/6
Toddy Ladles...	3240 10/		3160 8/		3192 6/6
Sauce Ladles	3241 11/		3161 9/		3193 7/6
Gravy Spoon ..	3242 2/6		3162 2		3194 1/8
Soup Ladle, oval bowl	3243 4/		3163 3/6		3195 3/3
Soup Ladle, oval bowl, small	3244 3/6		3164 3		3196 2/6
Fish Slice	3245 4/		3165 3/6		3197 3/3
Fish Fork	3246 2/9		3166 2/6		3198 2/3
Sugar Sifter	3247 1/3		3167 1/		3199 -/9
Cheese Scoop	3248 1/3		3168 1/		3200 -/9

TRADE MARKS.

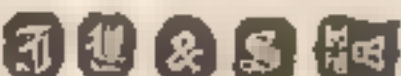
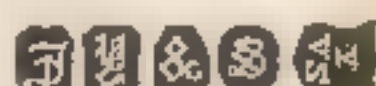
No. 1 Quality J.Y&S. 

No. 2 Quality Y&S. 

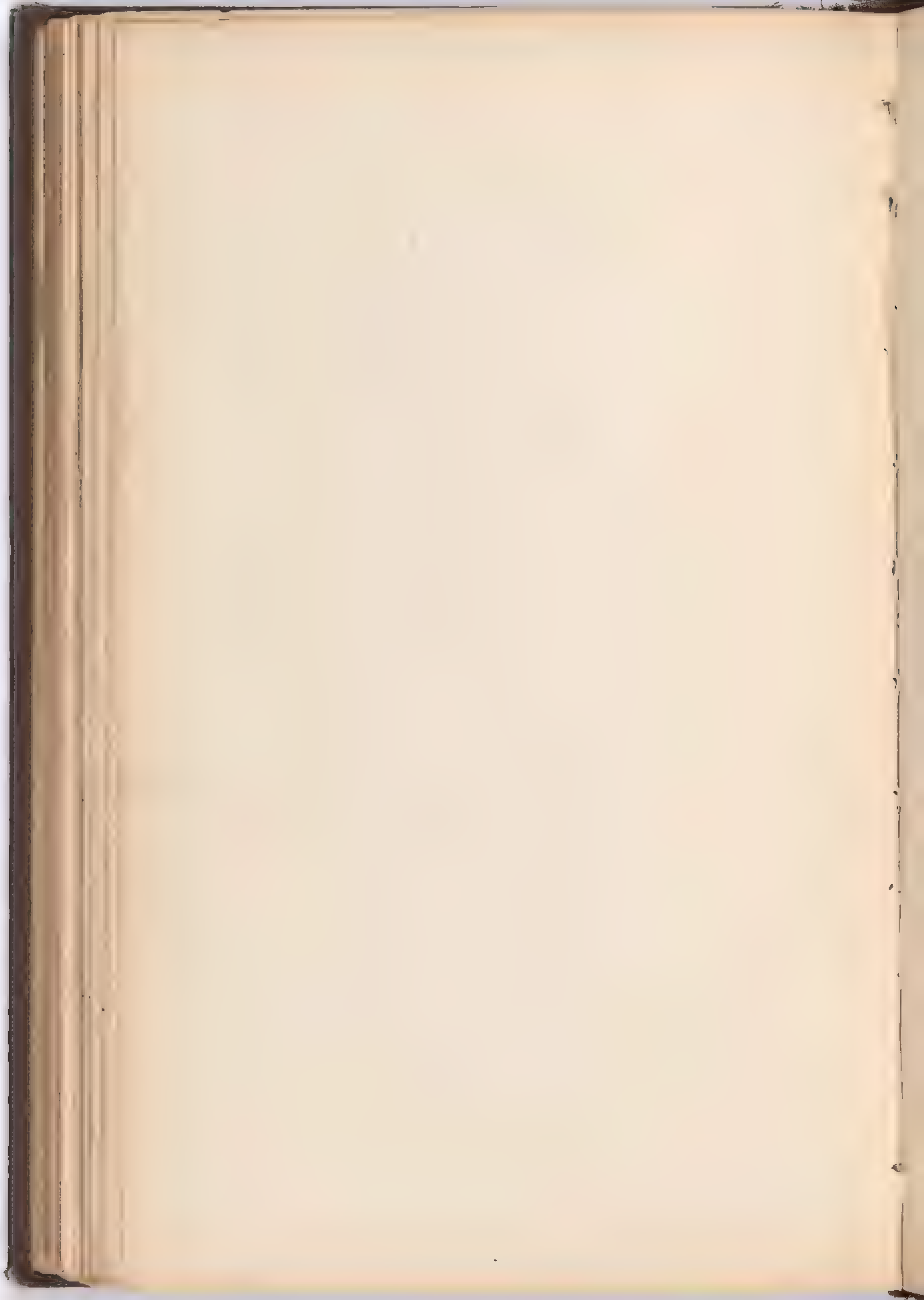
No. 3 Quality 



ELECTRO-SILVER PLATE.

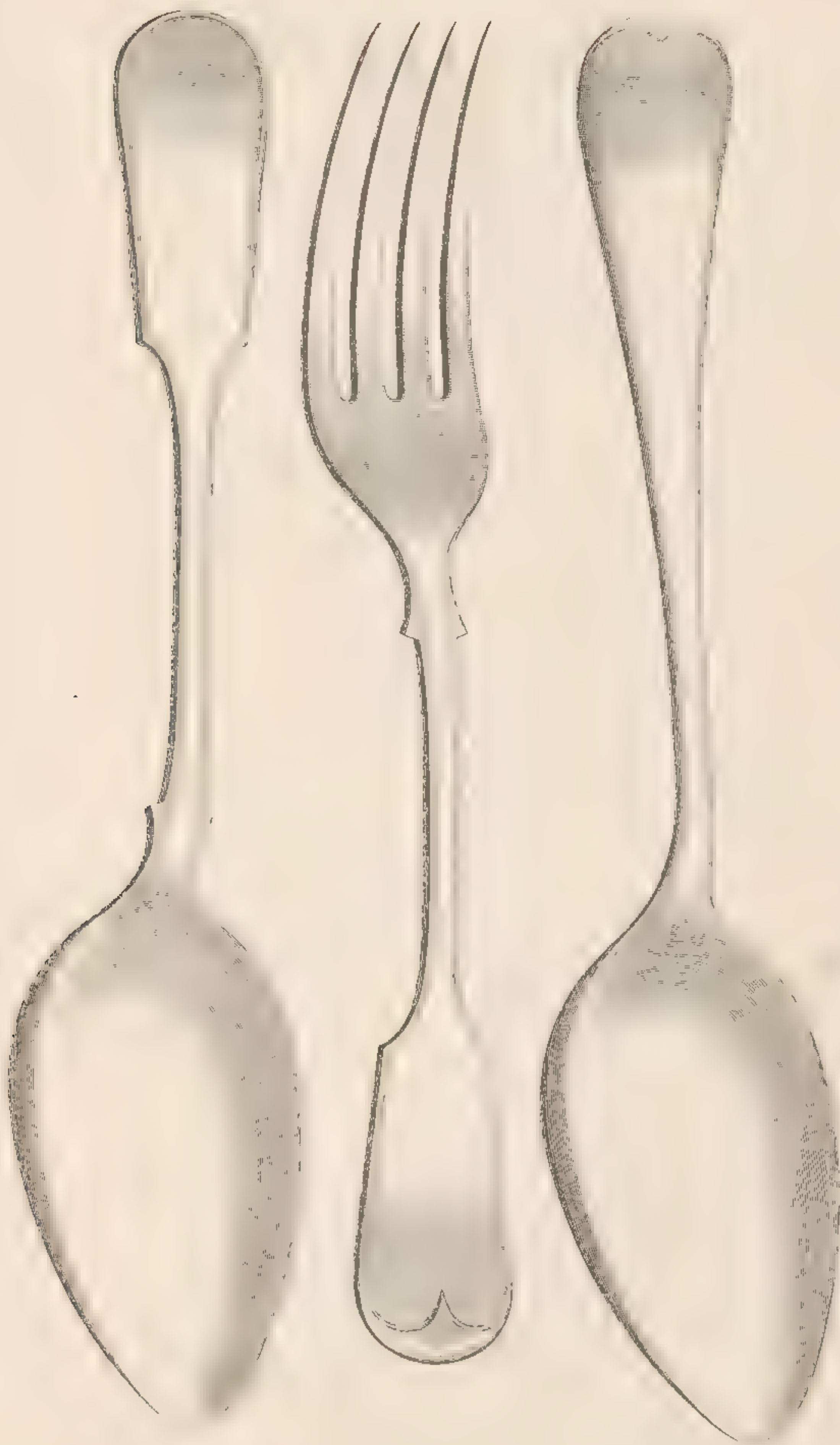
TRADE MARK VIRGINIAN
SILVER.Trade Mark 

	FIDDLE PATTERN.	OLD ENGLISH PATTERN.						FIDDLE PATTERN.		OLD ENGLISH PATTERN.	
			A1 Quality.	No. 1 Quality.	No. 2 Quality.	No. 3 Quality.	No. 4 Quality.	Strong.	Medium Strength.	Strong.	
			Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.
Table Spoons, full size	1501	1551	50/	40/	34/	26/	21/	Y 1	16/	036	14/
Table Forks "	1502	1552	50/	40/	34/	26/	21/	Y 4	16/	037	14/
Table Spoons, medium size	1503	1553	48/	38/	32/	24/	19/	Y 338	14/	041	12/
Table Forks "	1504	1554	48/	38/	32/	24/	19/	Y 342	14/	042	12/
Table Spoons, small size	1505	..	46/	36/	30/	23/	18/	Y 22	13/	038	11/
Table Forks "	1506	..	46/	36/	30/	23/	18/	Y 318	13/	039	11/
Dessert Spoons, full size	1507	1557	38/	30/	25/	18/	15/	Y 2	11/	0092	9/
Dessert Forks "	1508	1558	38/	30/	25/	18/	15/	Y 5	11/	0094	9/
Dessert Spoons, small size	1509	1559	36/	28/	24/	18/	14/	Y 349	10/	030	8/
Dessert Forks "	1510	1560	36/	28/	24/	18/	14/	Y 350	10/	031	8/
Tea Spoons, full size	1511	1561	24/	18/	15/	12/	10/	Y 35	6/3	0091	5/
" " medium size .. .. .	..	..	..	..	..	..	..	Y 3	5/9	092	4/6
" " small size	1512	1562	23/	16/	14/	11/	9/	Y 32	4/9	071	4/
" " special size .. .. .	..	..	..	..	..	..	..	Y 37	3/9	022	3/
Salt Spoons, { If gilt bowls, { ..	1513	1563	23/	16/	14/	11/	9/	Y 6	4/9	062	4/
Mustard Spoons, { 5/ per doz { ..	1514	1564	23/	16/	14/	11/	9/	Y 7	4/9	060	4/
Egg Spoons, { extra { ..	1515	1565	23/	16/	14/	11/	9/	Y 8	4/9	8644	4/
Sugar Spoons	1516	1566	29/	23/	20/	15/	13/	Y 12	8/	010	7/
Caddy Spoons	1517	1567	29/	23/	20/	15/	13/	Y 14	8/	011	7/
Pickle Forks	1518	1568	29/	23/	20/	15/	13/	Y 15	8/	012	7/
Sugar Bows, full size	1519	1569	50/	40/	34/	26/	21/	Y 11	16/	037	14/
" " small size	1520	1570	46/	36/	30/	23/	18/	Y 48	12/	018	10/
Butter Knives	1521	1571	48/	38/	32/	24/	19/	Y 18	14/	014	12/
Toddy Ladles	1522	1572	48/	38/	32/	24/	19/	Y 10	14/	075	12/
Sauce "	1523	1572	50/	40/	34/	26/	24/	Y 9	16/	076	14/
			Each	Each	Each	Each	Each	Each	Each	Each	Each
Gravy Spoon	1524	1574	9/6	7/6	6/6	5/	4/	Y 20	3/6	016	3/3
" " small size	1525	1575	8/6	6/3	5/6	4/	3/3				
Soup Ladle, oval	1526	1576	18/	15/	12/	9/	7/6	Y 16	5/6	017	5/3
" " small size	1527	1577	17/	14/	11/	8/6	7/	Y 49	5/	018	4/9
Fish Slice	1528	1578	18/	15/	12/	9/	7/6	Y 17	5/6	019	5/3
Fish Fork	1529	1579	12/6	10/6	9/	7/	6/	Y 329	3/9	020	3/6
Crumb Knife	1530	1580	22/	21/	19/	16/	15/				
Asparagus Tongs	1531	1581	22/	21/	19/	16/	15/				
Sugar Sifter	1532	1582	6/	4/	3/9	3/	2/6	Y 13	2/	027	1/9
Cheese Scoop	1533	1583	6/	4/	3/9	3/	2/6	Y 19	2/	049	1/9



FIDDLE.

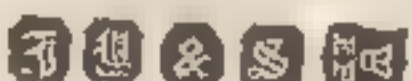
OLD ENGLISH.



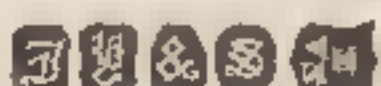
DESSERT SPOONS AND FORKS.

(Drawn full Size.)

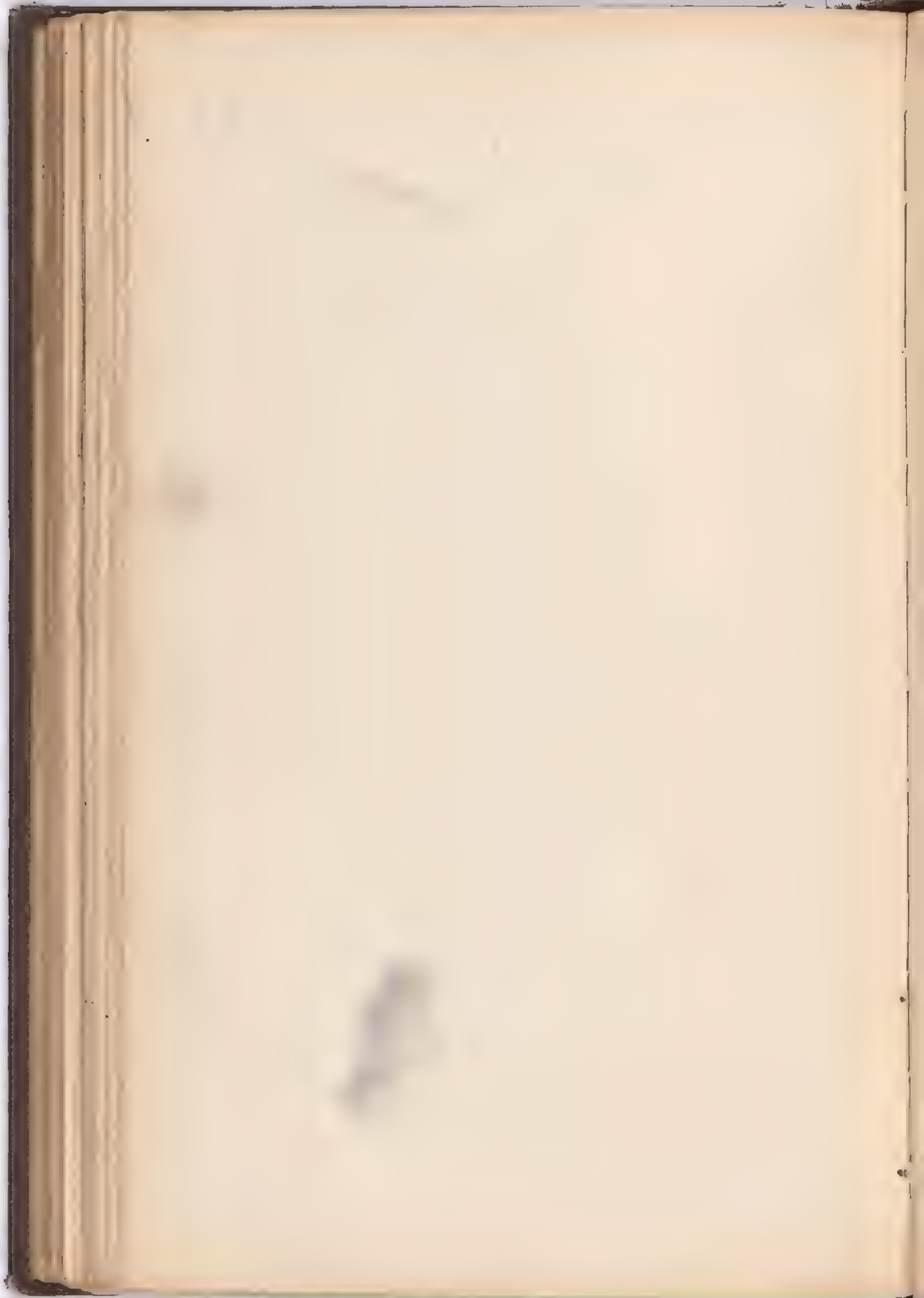
ELECTRO-PLATE.

TRADE MARK 

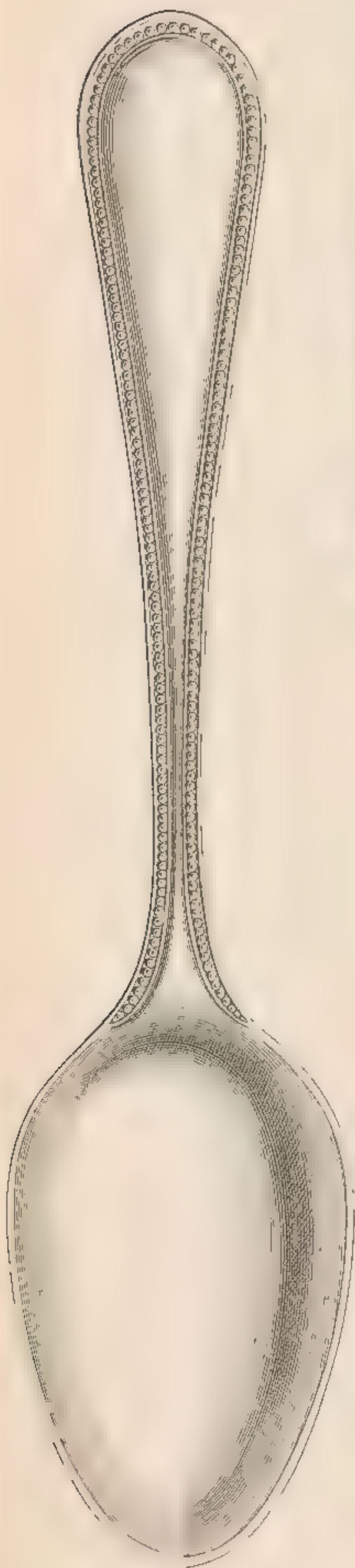
Beaded	1590
Threaded (Old English)	1591
Threaded Fiddle	1592
Brunswick	1593

VIRGINIAN
SILVER.TRADE MARK 

	Al Quality.	No. 1 Quality.	No. 2 Quality.	No. 3 Quality.	No. 4 Quality.	Beaded.	Old English Thread.	Fiddle Thread.	Brunswick.
	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.				Per Doz.
Table Spoons, full size	60/	50/	43/	36/	30/	Y 575	10801	842	9075 21/
Table Forks "	60/	50/	43/	36/	30/	Y 576	10802	846	9076 21/
Table Spoons, medium size	57/	47/	40/	34/	28/	Y 573	10808	827	9072 19/
Table Forks "	57/	47/	40/	34/	28/	Y 574	10809	830	9073 19/
Dessert Spoons, full size	44/	36/	31/	25/	20/	Y 577	10803	841	9077 15/
Dessert Forks "	44/	36/	31/	25/	20/	Y 578	10804	844	9078 15/
Tea Spoons, full size	29/	23/	20/	16/	14/	Y 579	10805	840	9079 8/6
Tea Spoons, small size	26/	20/	17/	14/	13/	Y 580	10810	829	9098 8/
Salt Spoons, { If gilt bowls, {	26/	20	17	14	13	Y 581	10811	843	9080 8
Mustard Spoons, { 5/ per doz. {	26/	20/	17/	14/	13/	Y 583	10812	845	9081 8/
Egg Spoons, { extra. {	26/	20/	17/	14/	13/	Y 582	10813	808	9082 8/
Sugar Spoons	33/	26/	23/	20/	17/	Y 560	10815	837	9094 11/
Caddy Spoons	33/	26/	23/	20/	17/	Y 561	10816	828	9070 11/
Pickle Forks	33/	26/	23/	20/	17/	Y 562	10817	833	9093 11/
Sugar Bows	60/	50/	43/	36/	30/	Y 587	10814	847	9089 21/
Butter Knives	57/	47/	40/	44/	28/	Y 589	10820	831	9090 19/
Toddy Ladles	57/	47/	40/	44/	28/	Y 563	10821	838	9095 19/
Sauce Ladles	60/	50/	43/	36/	30/	Y 584	10822	848	9088 21/
	Each	Each	Each	Each	Each				Each
Gravy Spoon	14/6	12/6	11/	9/6	8/	Y 588	10823	849	9086 5/6
Soup Ladle	24/	20/	17/	14/	11/	Y 585	10818	850	9087 7/6
Fish Slice	24/	20/	17/	14/	11/	Y 586	10824	839	9091 7/6
Fish Fork	16/6	13/6	11/6	10/	9/	Y 564	10827	832	9069 5/
Crumb Knife	27/	24/6	23/	21/6	20/				
Asparagus Tongs	27/	24/6	23/	21/6	20/				
Sugar Sifter	7/	5/6	4/9	4/	3/6	Y 567	10825	809	9096 2/6
Cheese Scoop	7/	5/6	4/9	4/	3/6	Y 568	10826	818	9097 2/6



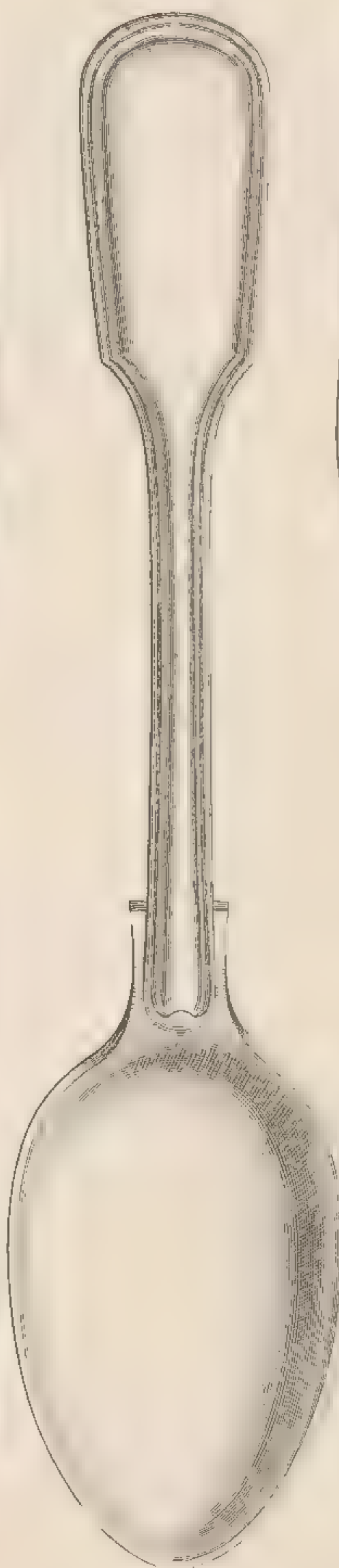
BEADED.



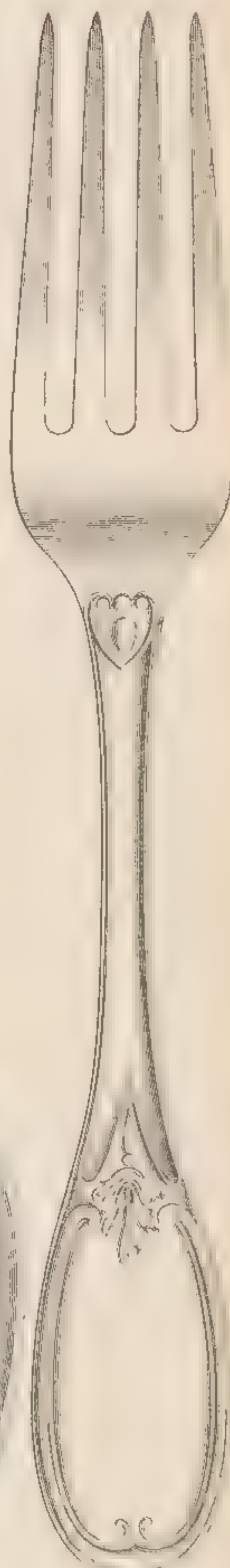
OLD ENGLISH
THREADED.



FIDDLE
THREADED.




BRUNSWICK.



DESSERT SPOONS AND FORKS.


(Drawn full Size.)

ELECTRO-SILVER PLATE.

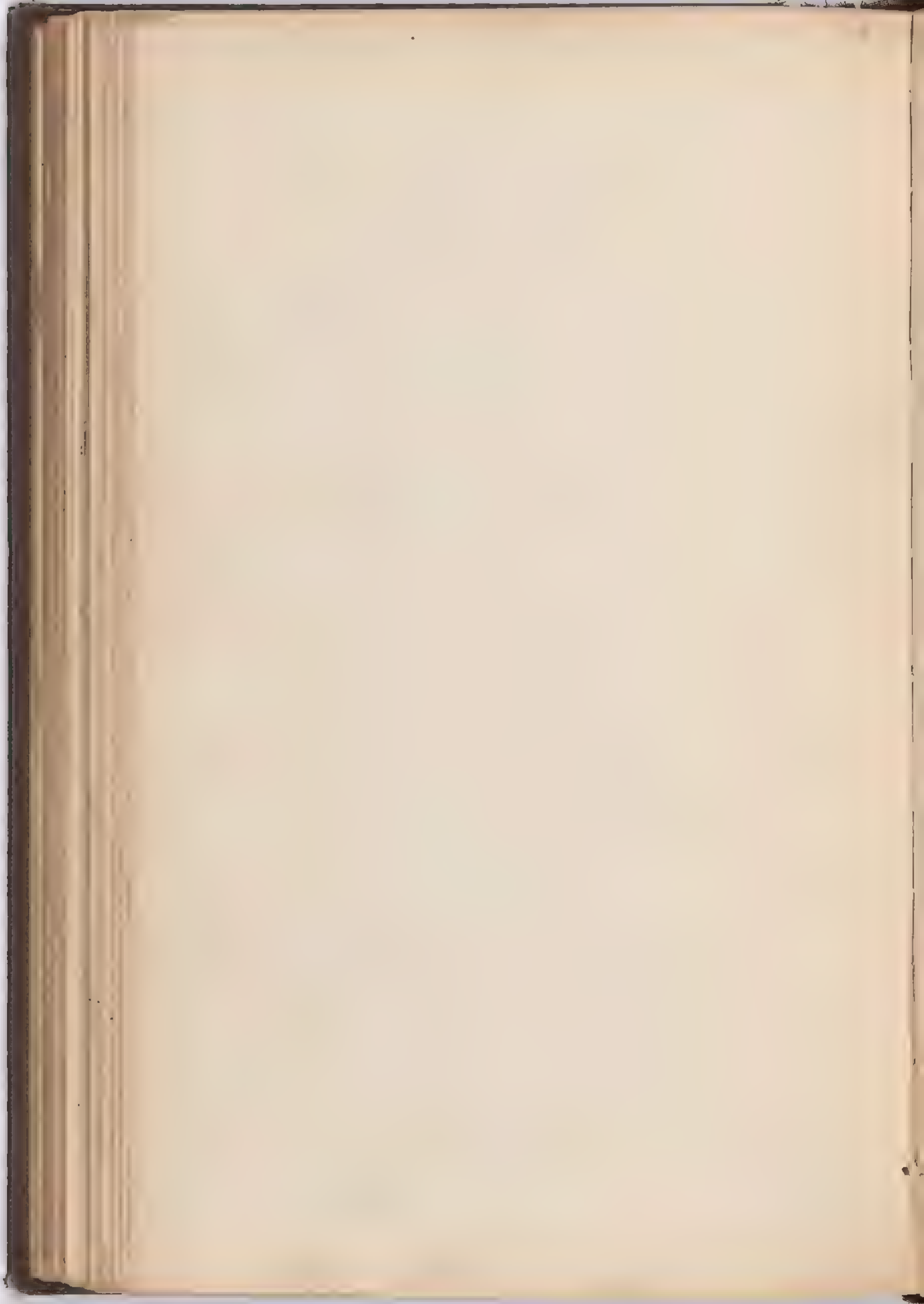
TRADE MARK 

Lily	..	..	..	..	..	1596
Coburg	..	..	..	..	..	1594
King's	..	..	..	..	..	1597
Union Shell	..	..	..	..	..	1595

VIRGINIAN SILVER.

TRADE MARK 

	Al Quality.	No. 1 Quality.	No. 2 Quality.	No. 3 Quality.	No. 4 Quality.	Lily.	Coburg.	King's.	Union Shell.			
	Per Doz.	Per Doz.	Per Doz.	Per Doz.	Per Doz.			Per Doz.		Per Doz.		
Table Spoons, full size ...	66/	56/	50/	40	34/	6951	9651	21/	906	4951	24/	
Table Forks " ...	66/	56/	50/	40	34	6952	9652	21	908	4952	24/	
Table Spoons, medium size ...	63/	53/	47/	38/	32	6984	9653	19/	921	4999	22/	
Table Forks " ...	63/	53/	47/	38/	32/	6985	9654	19/	922	4900	22/	
Dessert Spoons, full size ...	50/	42/	37/	30/	25/	6953	9655	15/	905	4953	17/	
Dessert Forks " ...	50/	42/	37/	30/	25/	6954	9656	15/	907	4954	17/	
Tea Spoons, full size ...	34/	28/	23/	19/	16/	6955	9657	8/6	904	4955	9/6	
Tea Spoons, small size ...	31/	25/	20/	17/	14/	6977	9658	8/	923	4972	9/	
Salt Spoons,	If gilt bowls, 5/ per doz. extra.	31/	25/	20/	17/	14/	6956	9659	8/	902	4956	9/
Mustard Spoons,		31/	25/	20/	17/	14/	6957	9684	8/	903	4957	9/
Egg Spoons,		31/	25/	20/	17/	14/	6958	9661	8/	909	4958	9/
Sugar Spoons ...	37/	30/	26/	22/	19/	6964	9667	11/	915	4963	12/	
Caddy Spoons ...	37/	30/	26/	22/	19/	6965	9668	11/	928	4973	12/	
Pickle Forks ...	37/	30/	26/	22/	19/	6974	9678	11/	918	4974	12/	
Sugar Bows ...	66/	56/	50/	40/	34/	6962	9665	21/	901	4962	24/	
Butter Knives ...	63/	53/	47/	38/	32/	6972	9675	19/	910	4969	22/	
Toddy Ladles ...	63/	53/	47/	38/	32/	6966	9669	19/	927	4964	22/	
Sauce Ladles ...	66/	56/	50/	40/	34/	6967	9670	21/	930	4965	24/	
Gravy Spoon ...	Each 15/6	Each 13/6	Each 12/6	Each 10/6	Each 9/	6969	9672	Each 5/6	924	4966	Each 6/	
Soup Ladle ...	25/6	21/6	18/6	15/6	12/6	6970	9673	7/6	925	4967	8/	
Fish Slice ...	25/6	21/6	18/6	15/6	12/6	6971	9674	7/6	926	4968	8/	
Fish Fork ...	17/6	14/6	13/	11/	9/6	6982	9688	5/	919	4996	5/6	
Crumb Knife ...	28/	25/	24/	23/	21/							
Asparagus Tongs ...	28/	25/	24/	23/	21/							
Sugar Sifter ...	8/	6/	5/	4/6	4/	6963	9676	2/6	916	4970	2/9	
Cheese Scoop ...	8/	6/	5/	4/6	4/	6973	9677	2/6	920	4977	2/9	

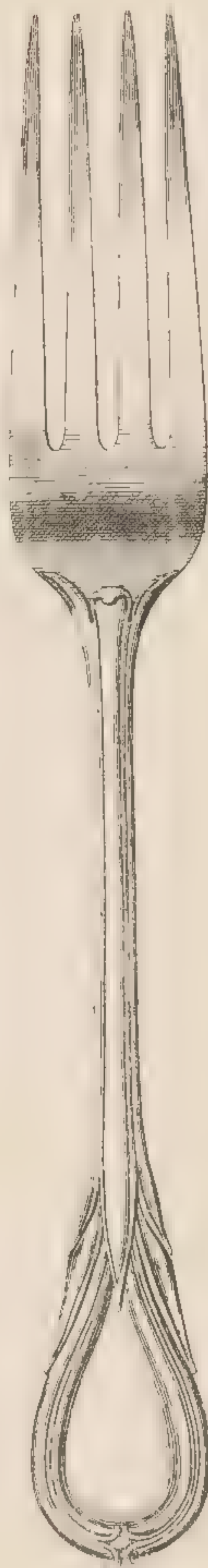
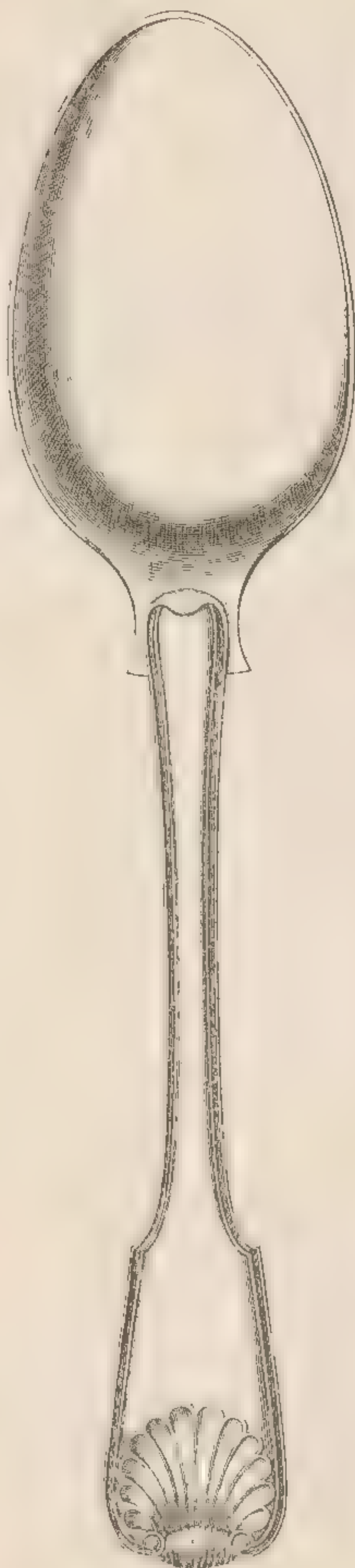
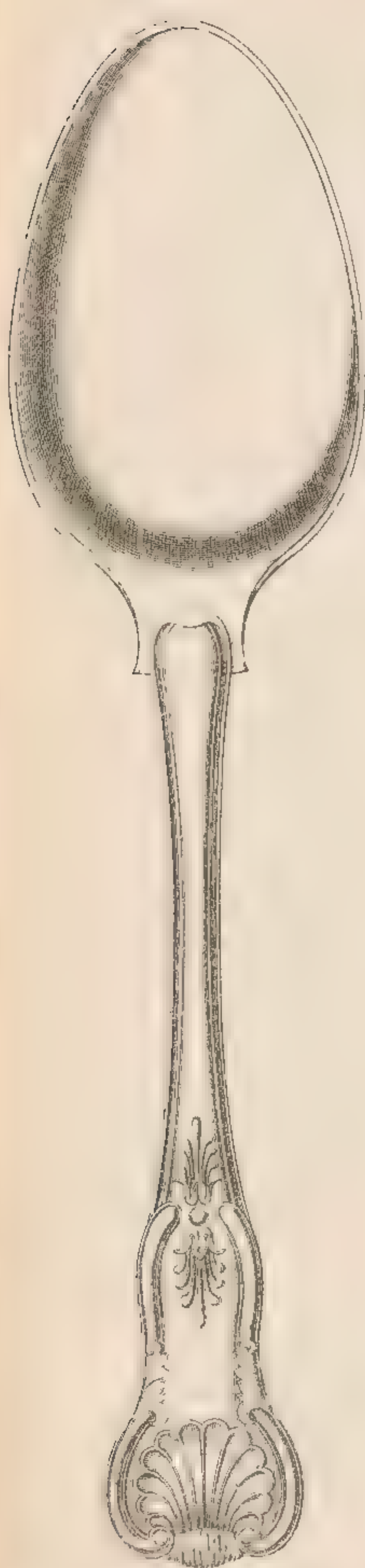


KING.

UNION SHELL.

LILY.

COBURG.



DESSERT SPOONS AND FORKS.

(Drawn full Size.)

PLAIN MAHOGANY CASE, to contain 12 pairs
 DOME TOP " " 12 pairs

10 each
 16 " " 12 pairs

14 - each extra
 19 - " "

PATENT ELECTRO-SILVER PLATE.



1548

DESSERT KNIVES AND FORKS, No. 1548, Close Plated on Steel
 DITTO " " Electro plate on German Silver
 DITTO " " Electro plate on Steel

PEARL
 90 - " " 180 - per 12 pairs
 86 " " 172 " "
 74 " " 160 " "



1549



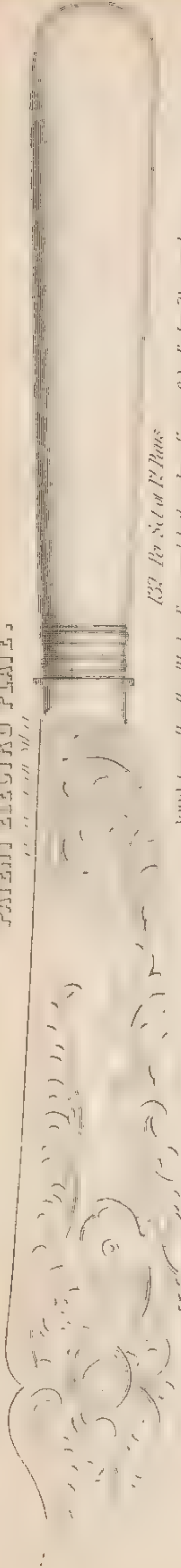
1550

DESSERT KNIVES AND FORKS No. 1550 or No. 1549, Close Plated on Steel
 DITTO " " Electro plate on German Silver
 DITTO " " Electro plate on Steel

PEARL
 107 " " 192 " per doz pairs
 100 " " 187 " "
 90/- " " 178/- " "

PLAIN MAHOGANY CASES, to contain 12 pairs 14/- extra.
 DOME TOP DITTO 20/- "

PATENT ELECTRO PLATE



133 Per Set of 12 Pairs
 Round Top Handles Blades Engrooved both sides Knives 80 Forks 72 per doz



FISH KNIVES AND FORKS



1901 Ivory Handles, Blades Chased both sides Knives 72/- Forks 48/- per doz
 190 Per Set



May be had with extra Silver at 2/- per set each piece

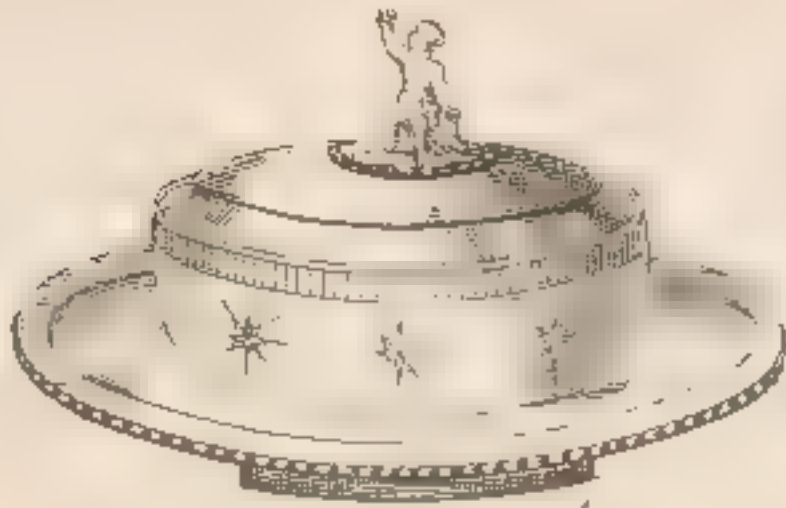


11902 Ivory Handles, Blades Chased both sides Knives 72 Forks 48/-
 120 Per Set

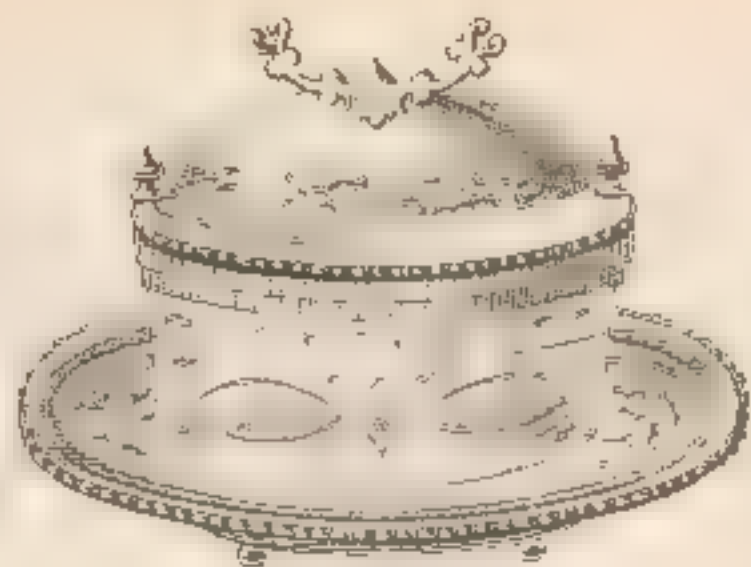
PATENT ELECTRO SILVER PLATE ON GERMAN SILVER



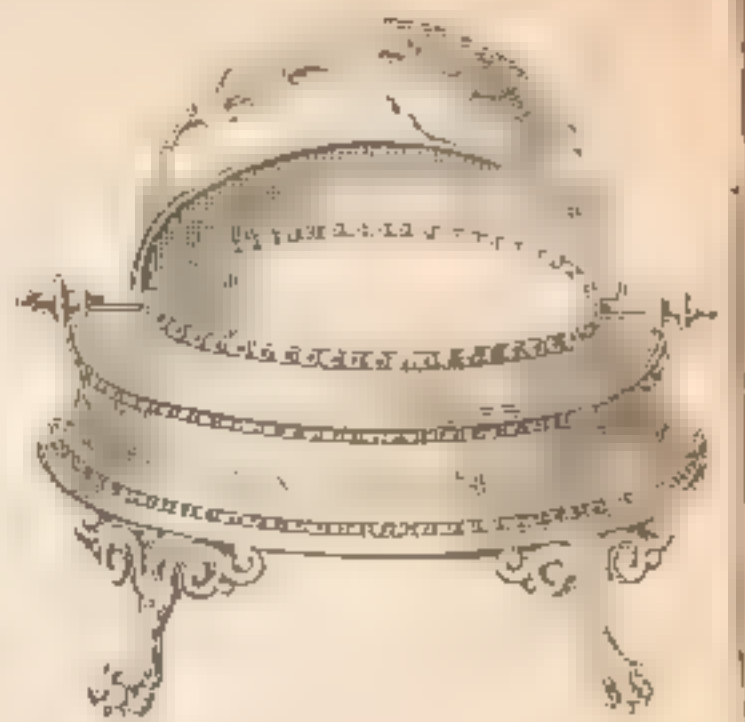
23615 14/-ea
Chased



23617 16/-ea



20082 16/6 ea



20083 34/-ea



23642 14/-ea
Chased



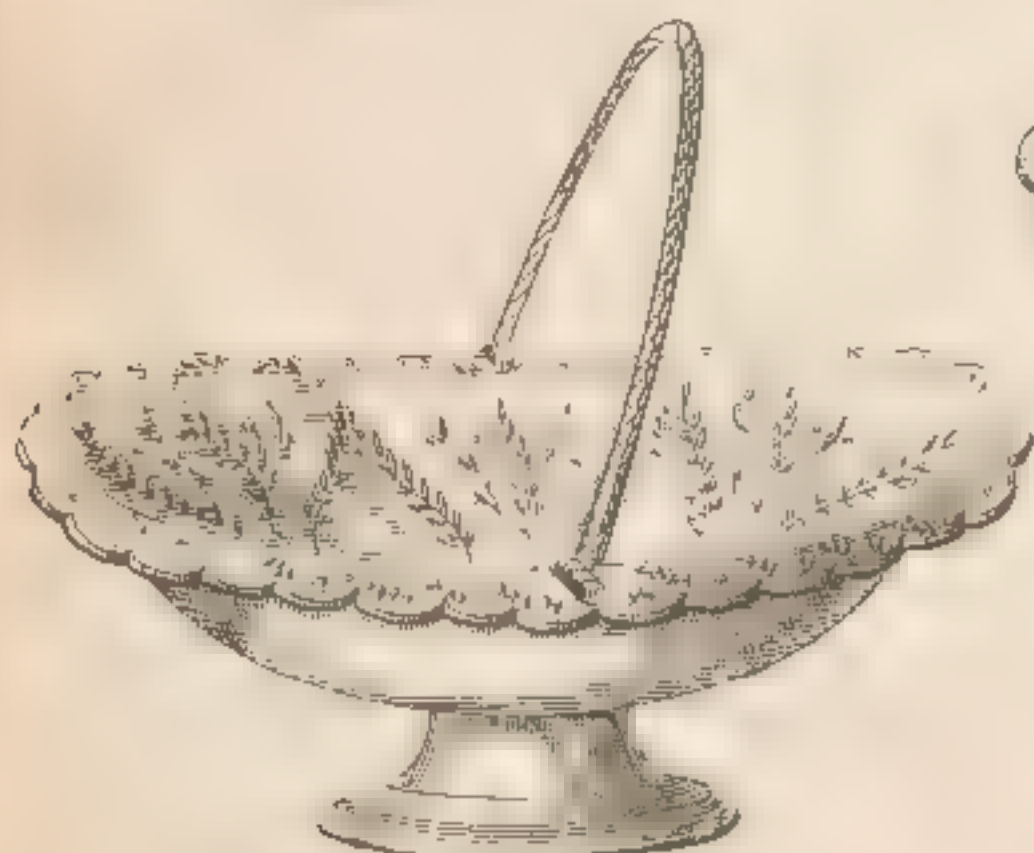
23641 17/9 ea
Fluted



23640 18/6 ea
Embossed



20062 18/-ea



20026 *Chased* 25/-ea



20036 *Pressed* 28/-ea



20027 *Chased* 26/-ea

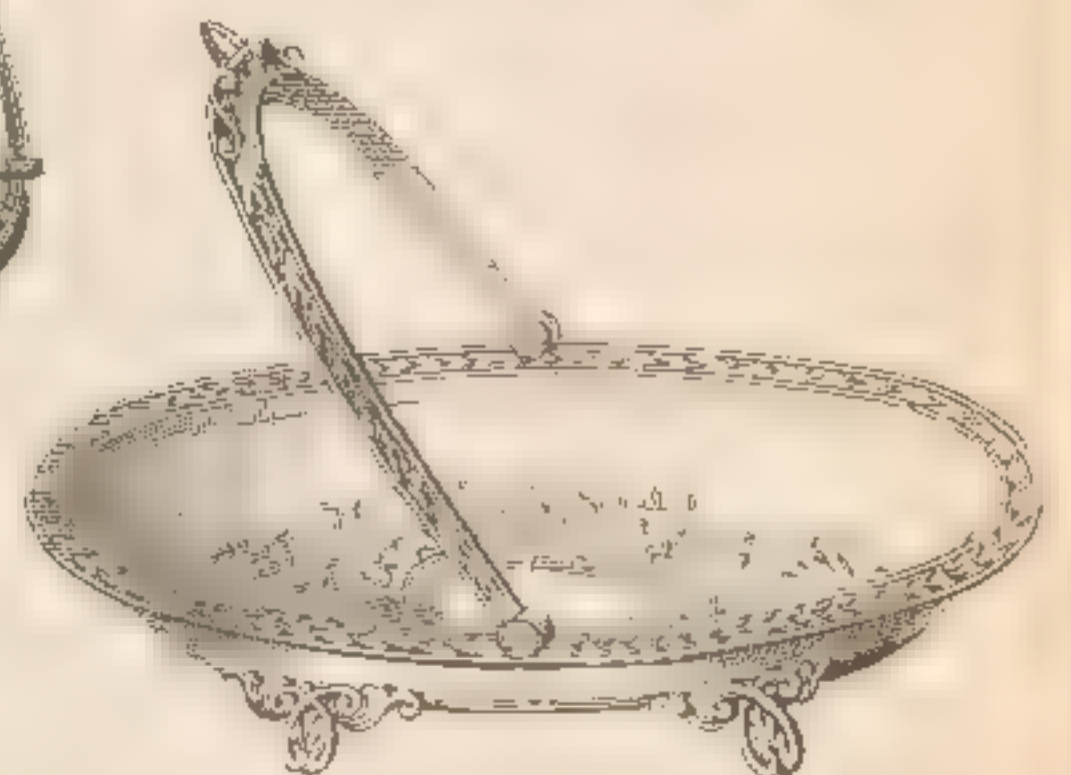


13016

Engraved 45/-ea

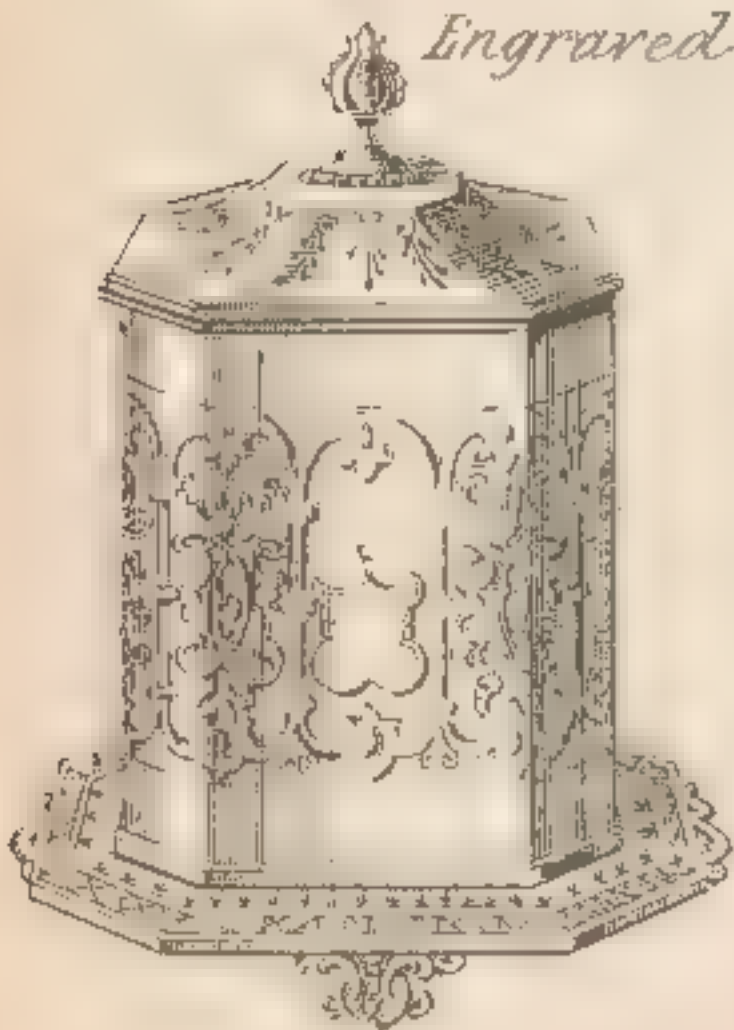


20034 *Chased* 31/-ea



2158

31/-ea



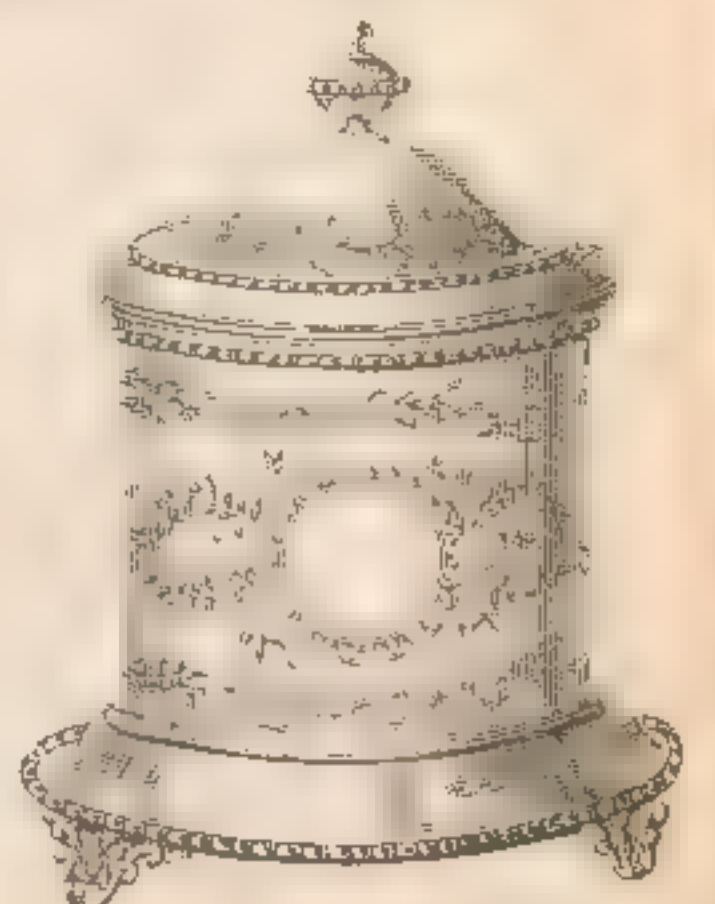
11979 60/-ea
Glass Body



12078 *Round* 45/-ea



20079 25/-ea
Glass Body



20018 22/-ea

PATENT ELECTRO SILVER PLATE ON GERMAN SILVER

Mutimer.



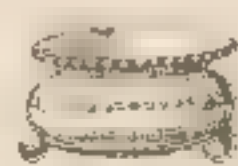
1930 *Eng^d* 10/ea
Plain 9



10930 *Eng^d* 5/6
Plain 4/6



20043 *Eng^d* 7/ea
Plain 6/



20044 6/ea



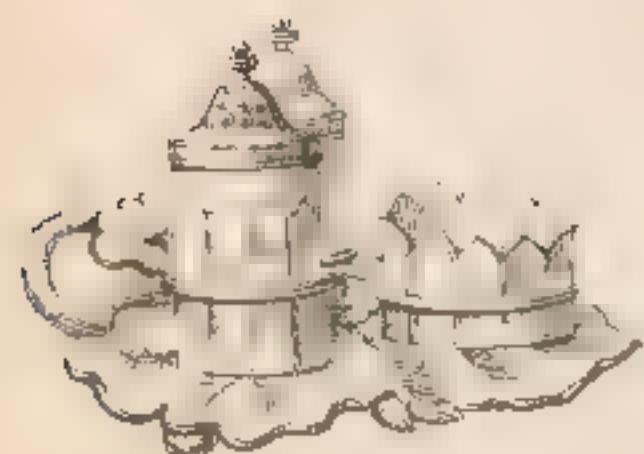
20038 6/6 ea.
Plain 5/6



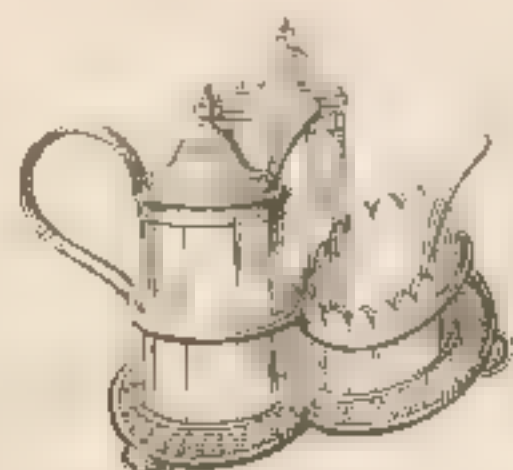
20073 21/Doz



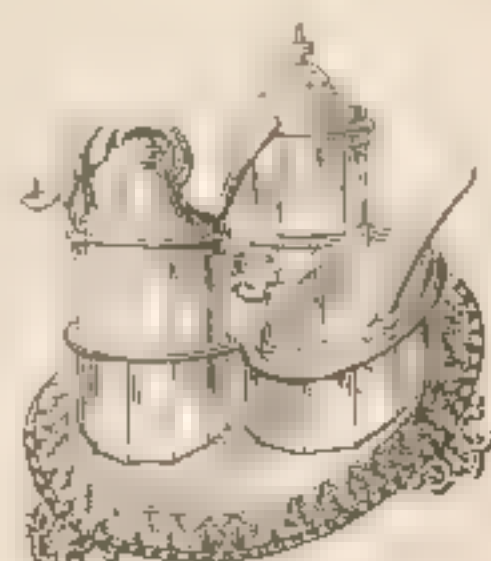
10997 7/9 ea



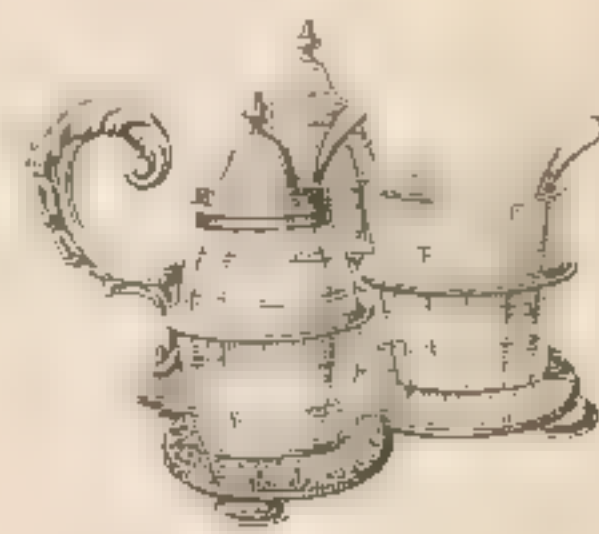
10936 15/ea



10935 16/6 ea



11912 20/ea



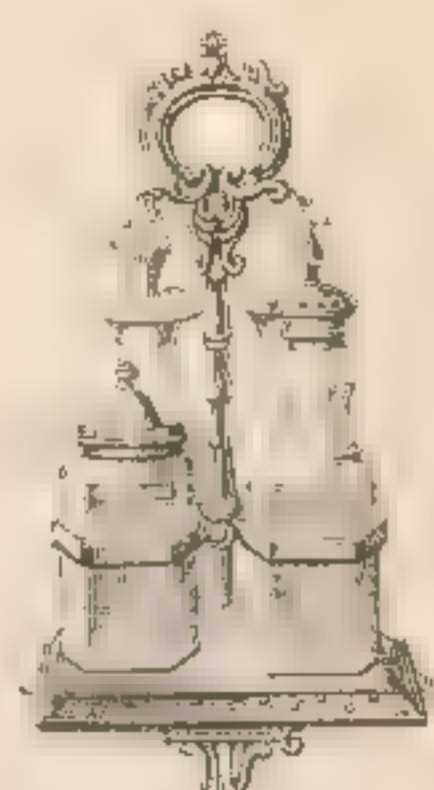
23647 Plain 22/ea
Eng^d 24/



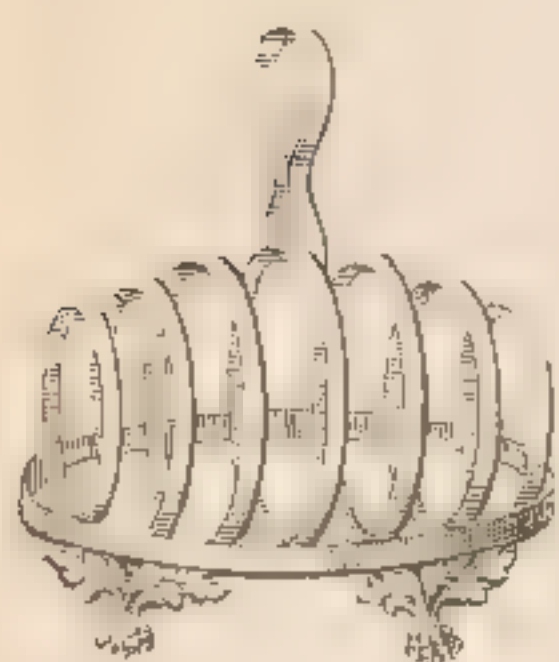
23648 23/ea



23605 6/ea



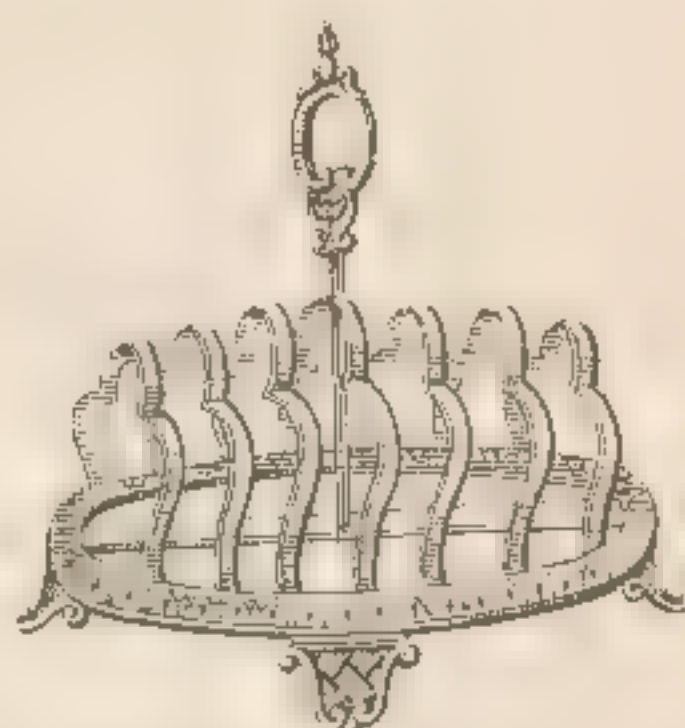
23646 4 Glass 30/ea



23695 11/ea



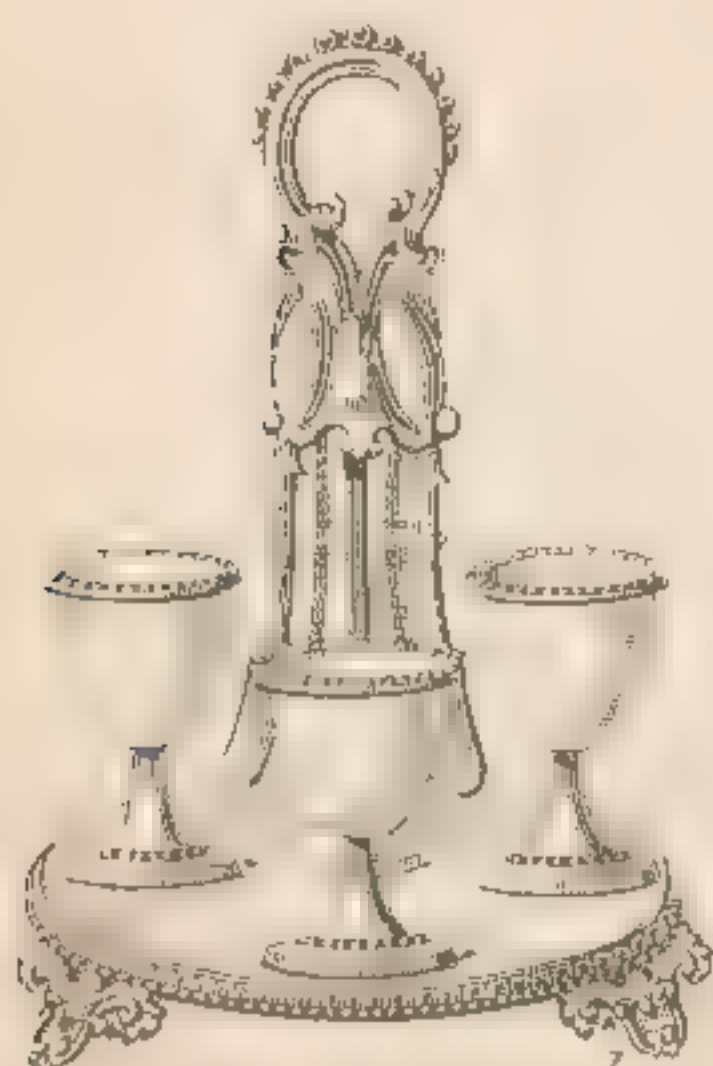
23696 14/ea



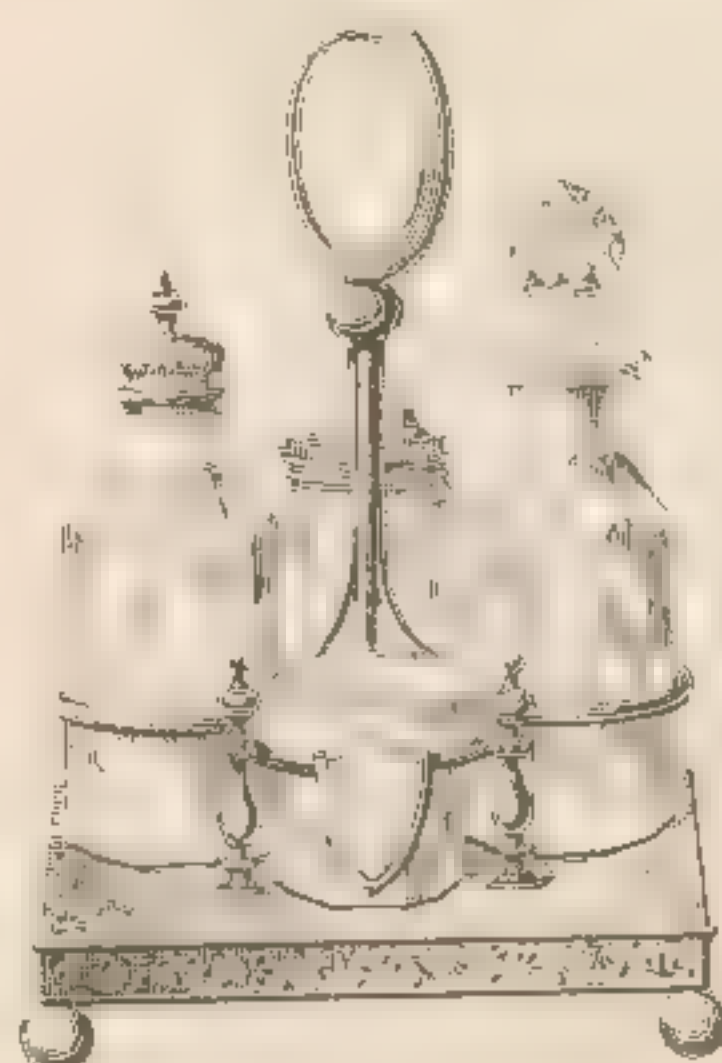
10932 17/ea



23697 *Eng^d* 17 Plain 1/ea



20046 4 Cups *Eng^d* 60/ea
4 Plain 57/
6 Cups *Eng^d* 72/
6 Plain 68/



20018 Chased 54/ea



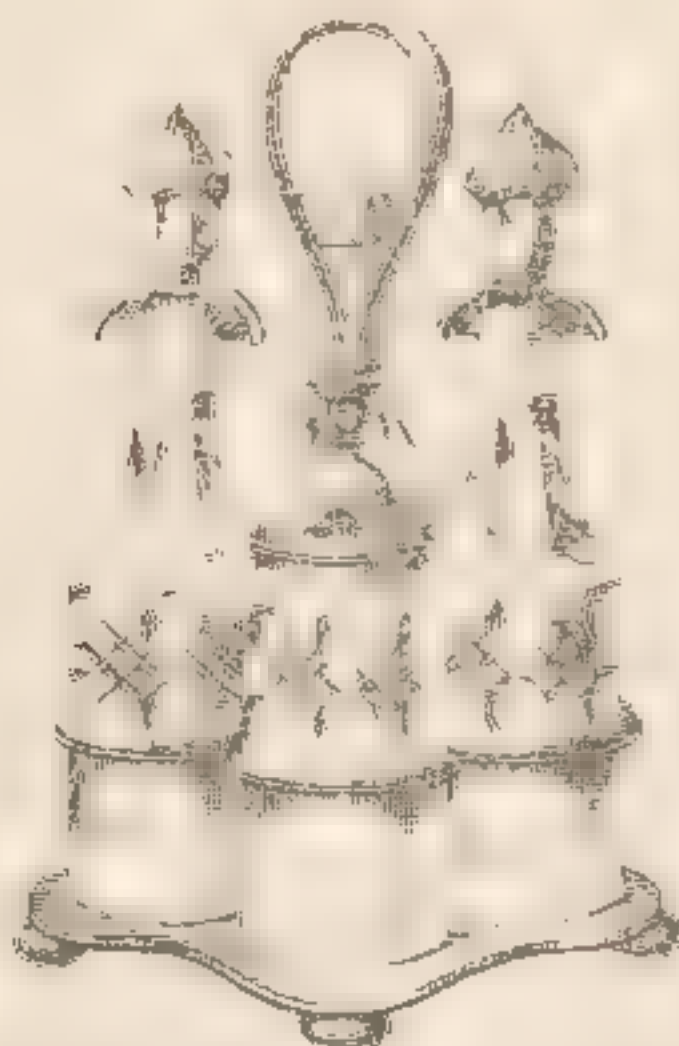
20045 4 Cups 44/ea
6 Cups 56/

PATENT ELECTRO-PLATE ON GERMAN SILVER.



23851

	4	5	6	7
No. 1	24/	28/6	33/	38/6
Medium	19/6	24/	28/6	34/



23852

	4	5	6	7
No. 1	27/	31/6	37/	42/6
Medium	22/6	27/	31/6	37/



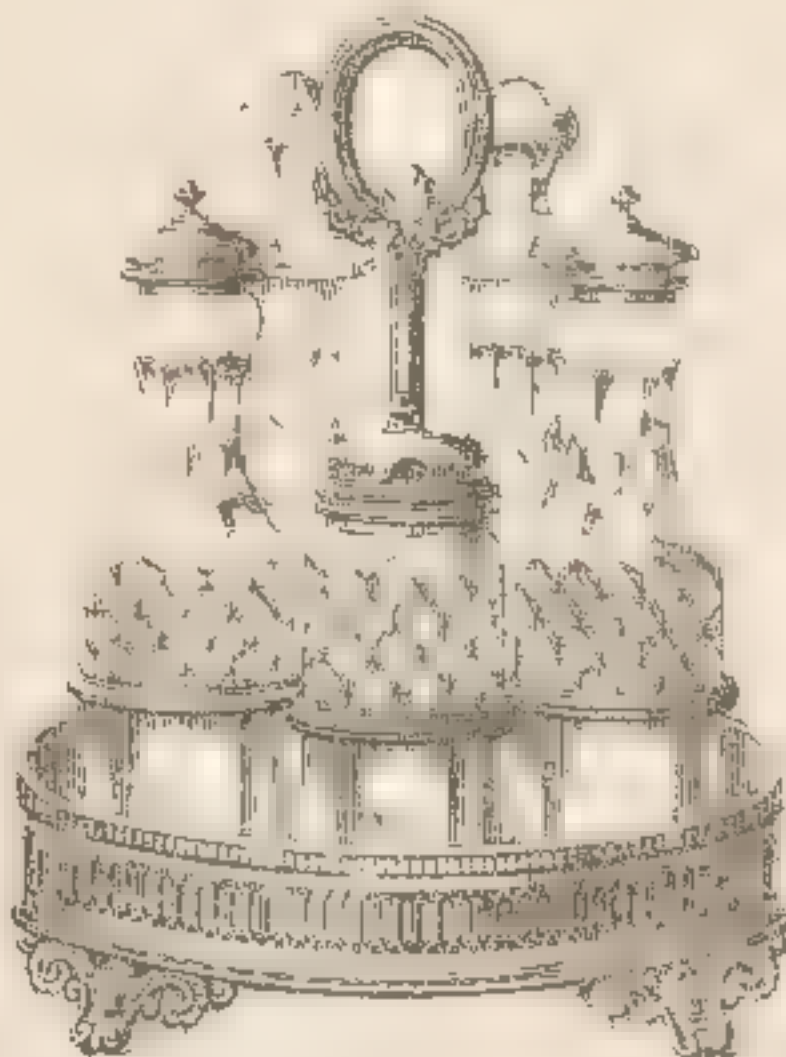
23853

	4	5	6	7
No. 1	35/6	41/	46/6	52/6
Medium	29/6	34/6	40/	46/



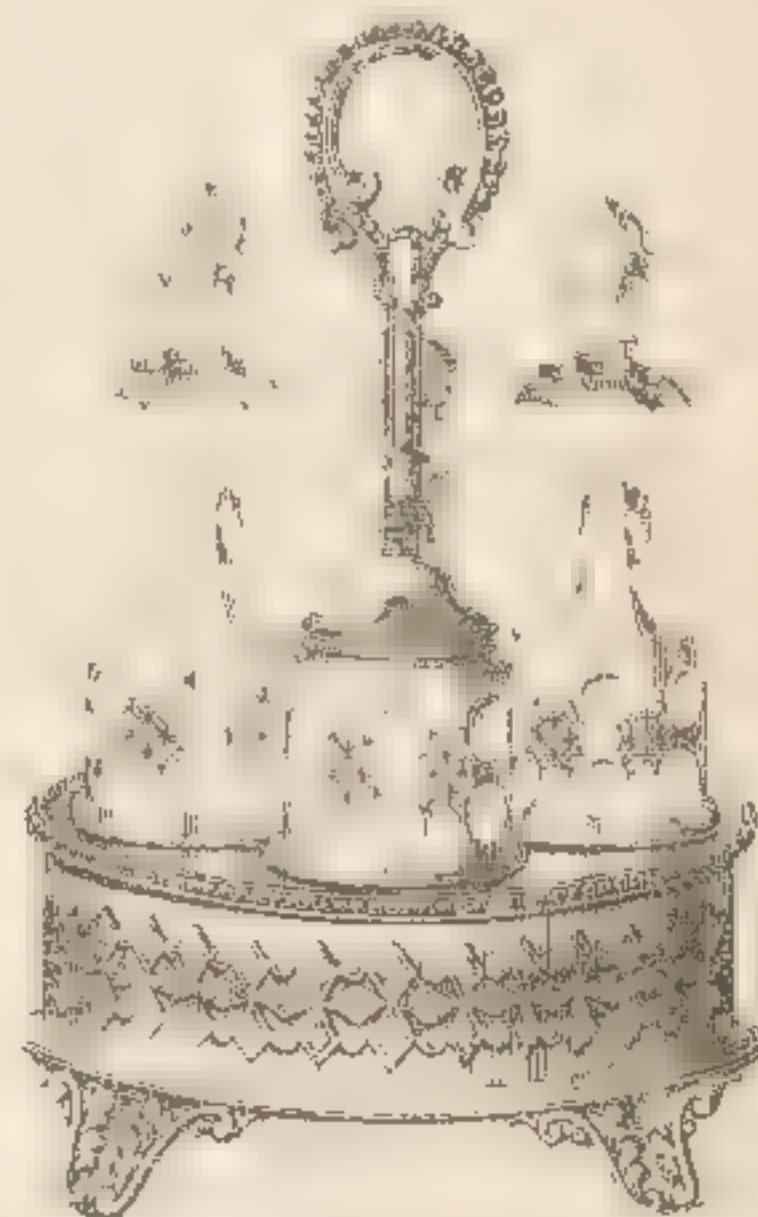
23854

	4	5	6	7
A1	32/6	37/	41/6	48/
Medium	24/6	29/6	34/	40/



23855

	4	5	6	7
A1	32/6	37/	41/6	48/
Medium	24/6	29/6	34/	40/



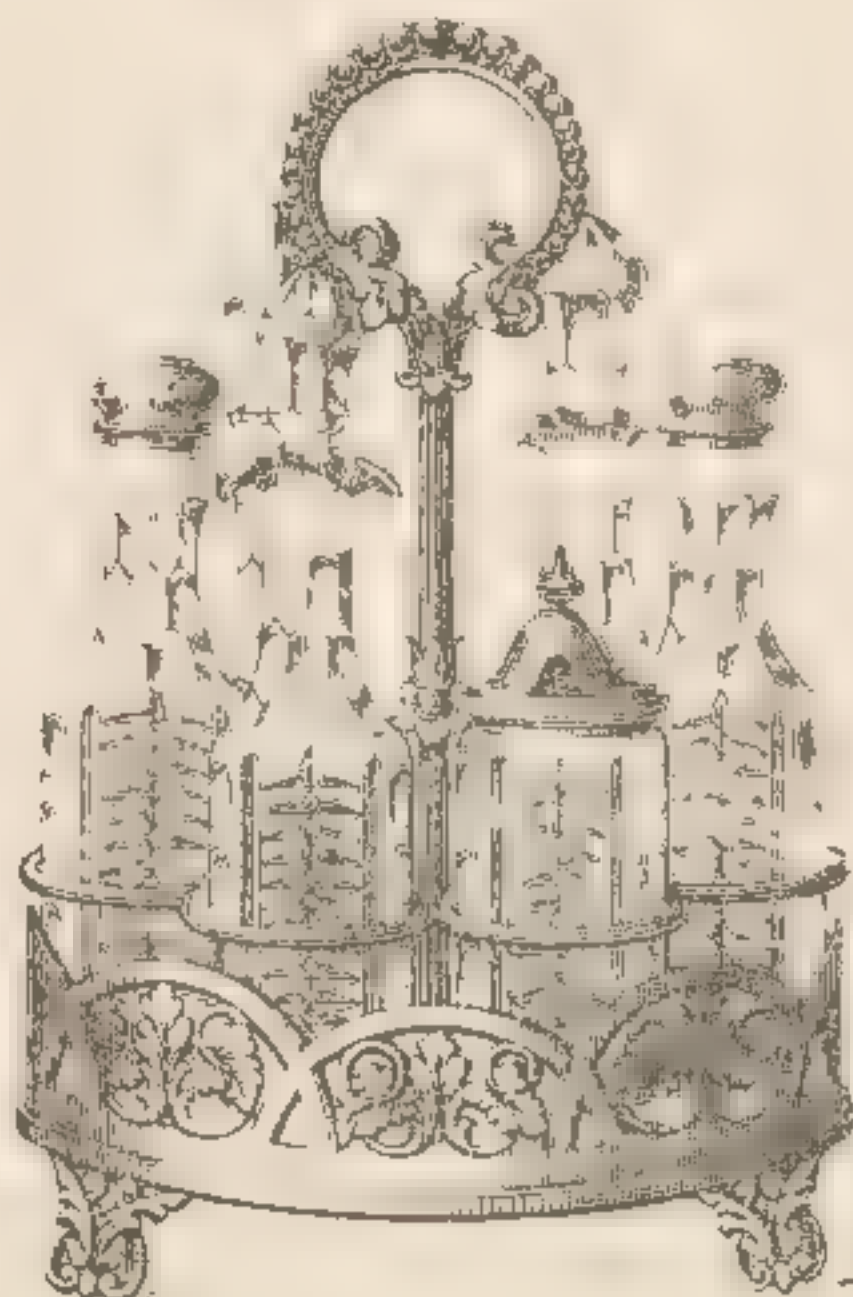
23856

	4	5	6	7
A1	34/	38/6	40/	49/6
Medium	28/	32/6	37/	42/6



23857

	4	5	6	7
A1	35/6	41/	46/6	52/6
Medium	29/6	34/6	40/	46/



23858

	4	5	6	7
A1	35/6	41/	46/6	52/6
Medium	29/6	34/6	40/	46/



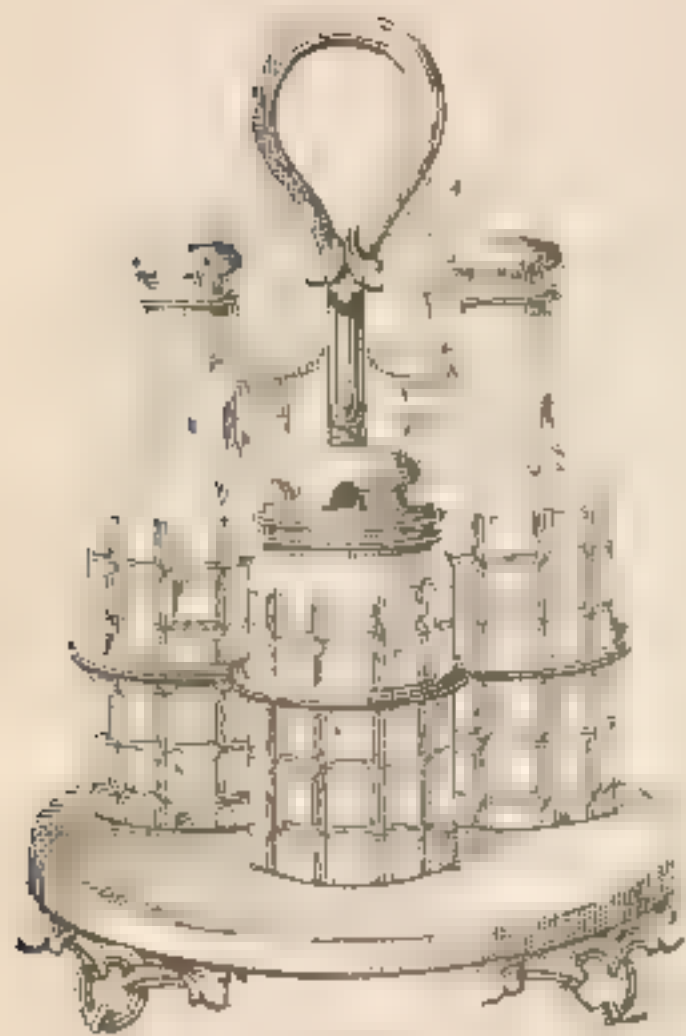
23859

	4	5	6	7
A1	43/	48/	53/	58/
Medium	37/	42/	47/	52/

N.B.—A1 Quality is extra plated, and has superior Glasses to the Medium Quality.

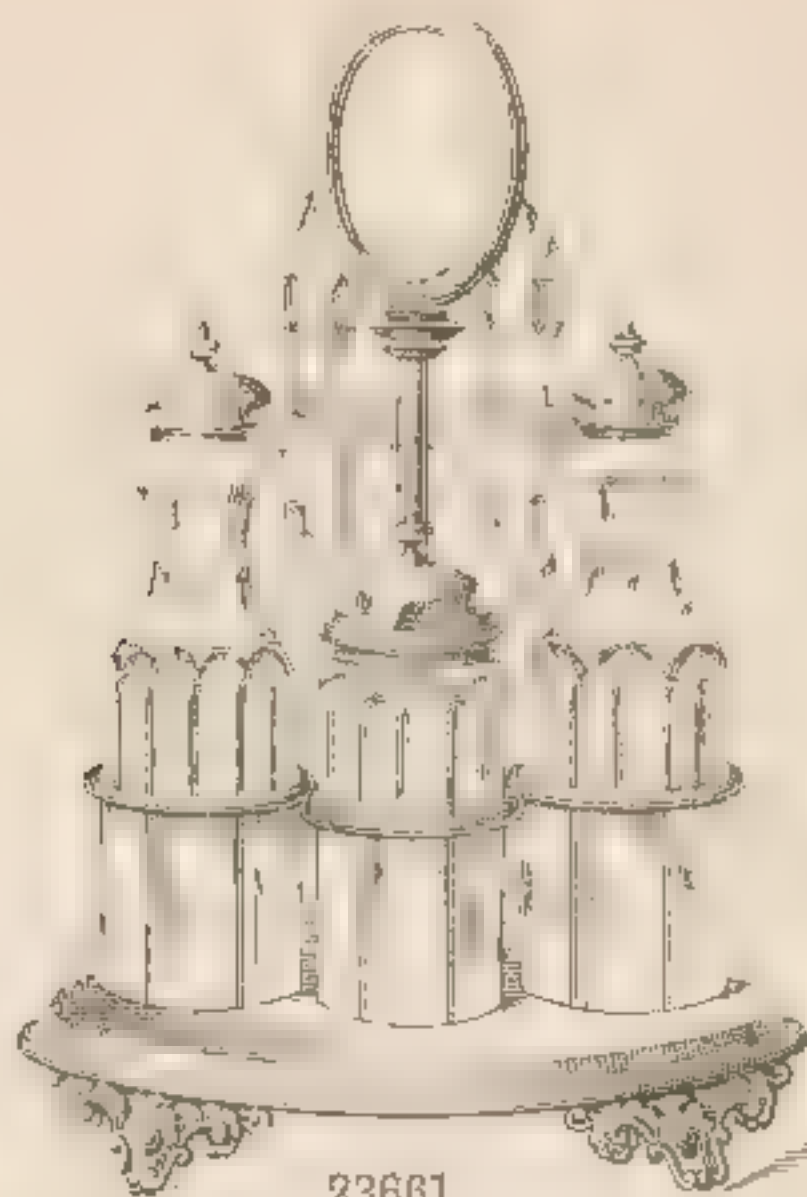
PATENT ELECTRO SILVER-PLATE

ON GERMAN SILVER.



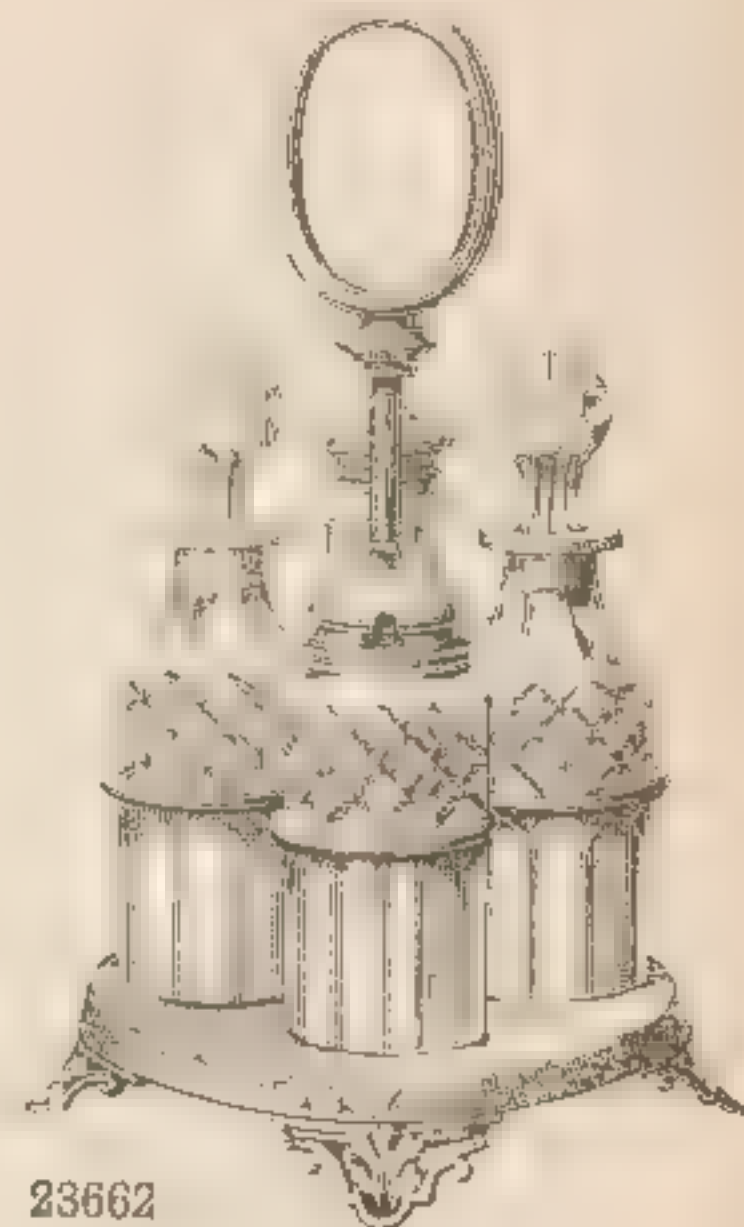
23660

	4	5	6	7
A1	37/	42/6	48/	54/
Medium	31/	36/	41/0	48/



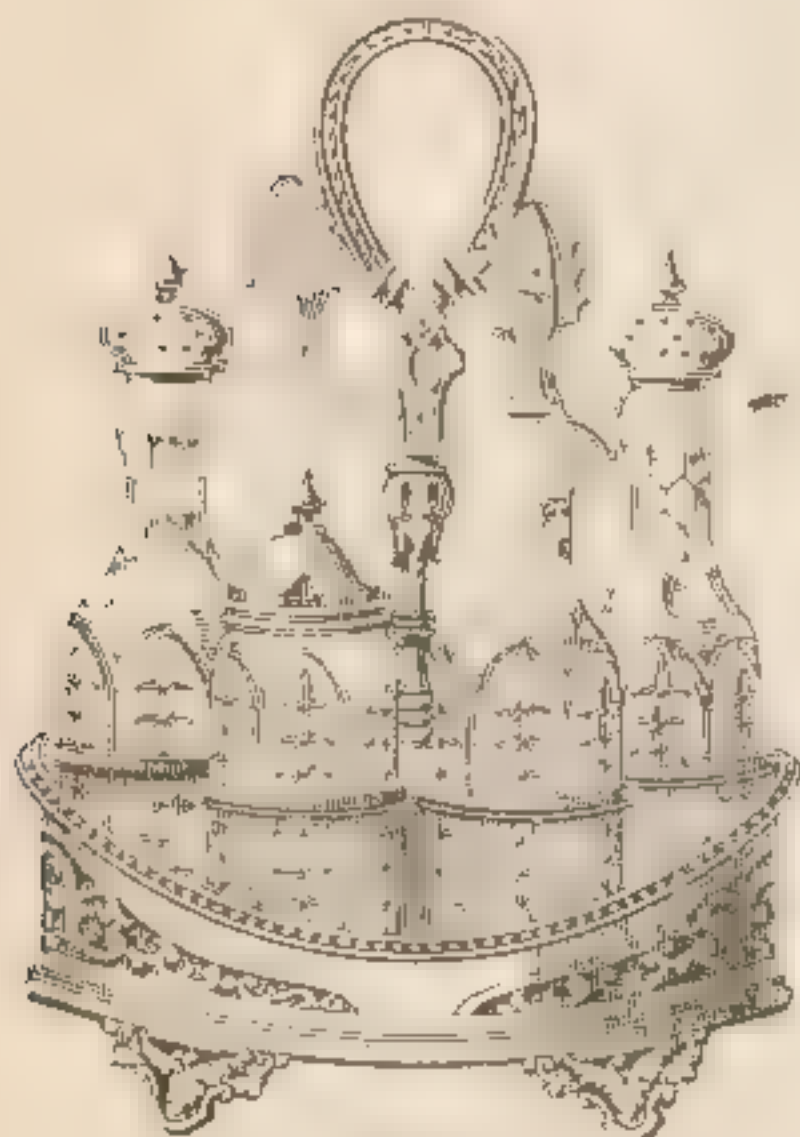
23661

	4	5	6	7
A1	37/	42/6	48/	54/
Medium	31/	36/	41/6	48/



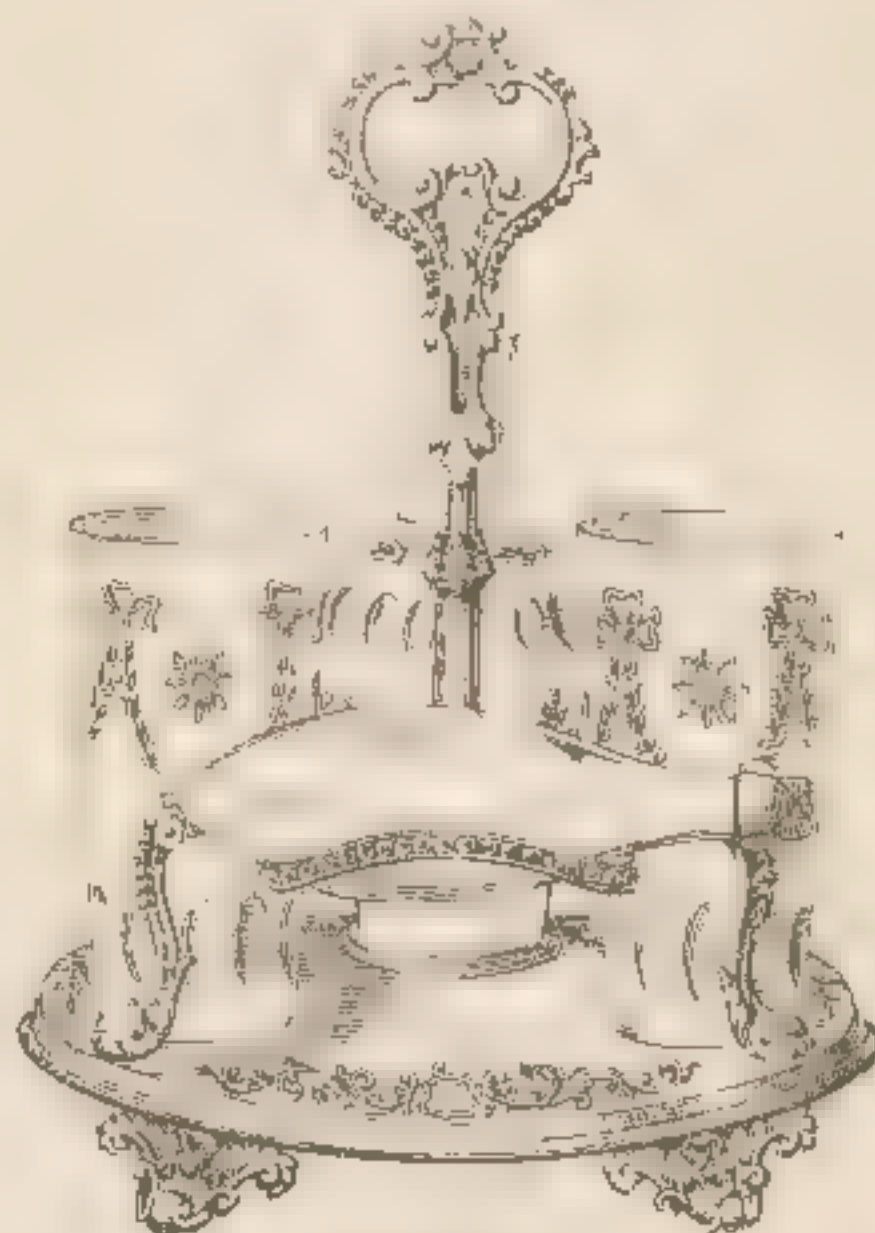
23662

	4	5	6	7
A1	42/	47/6	53/	59/
Medium	35/	40/	45/	50/

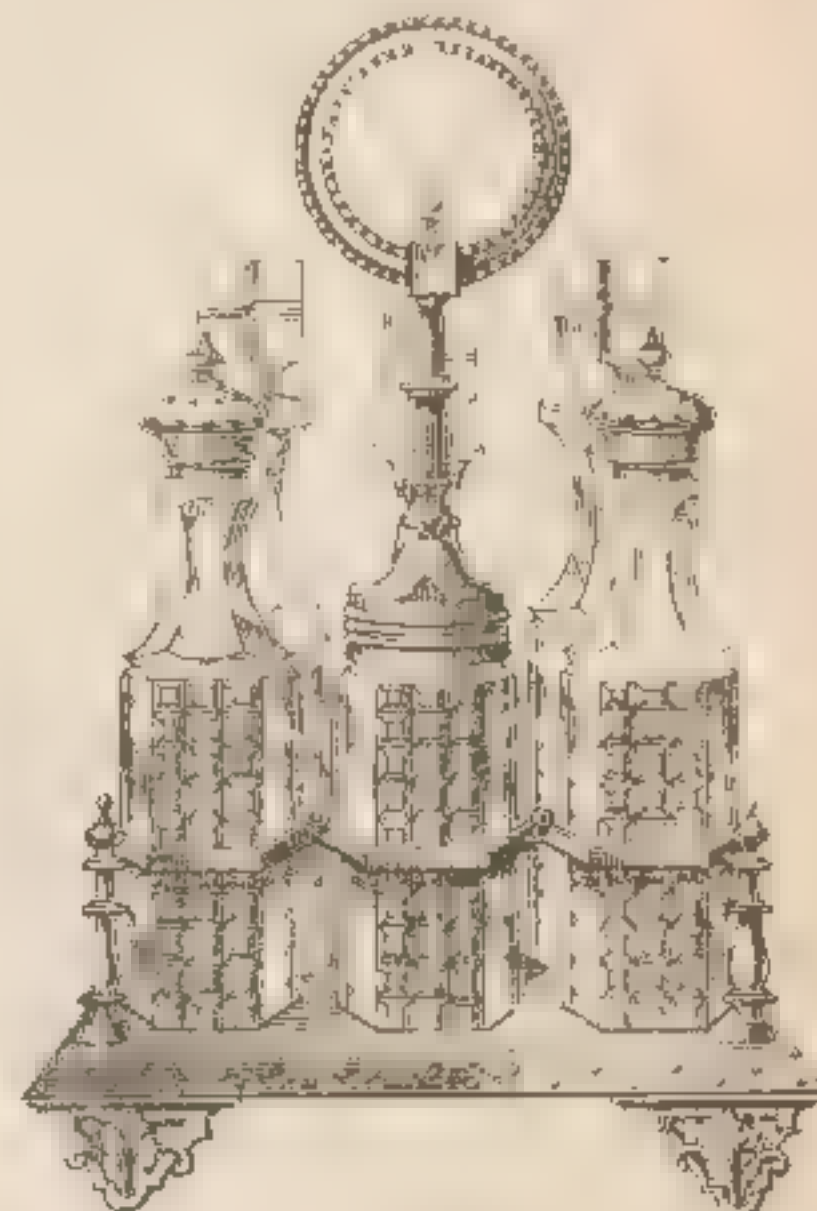


23663

	4	5	6	7
A1	57/	63/	68/	74/

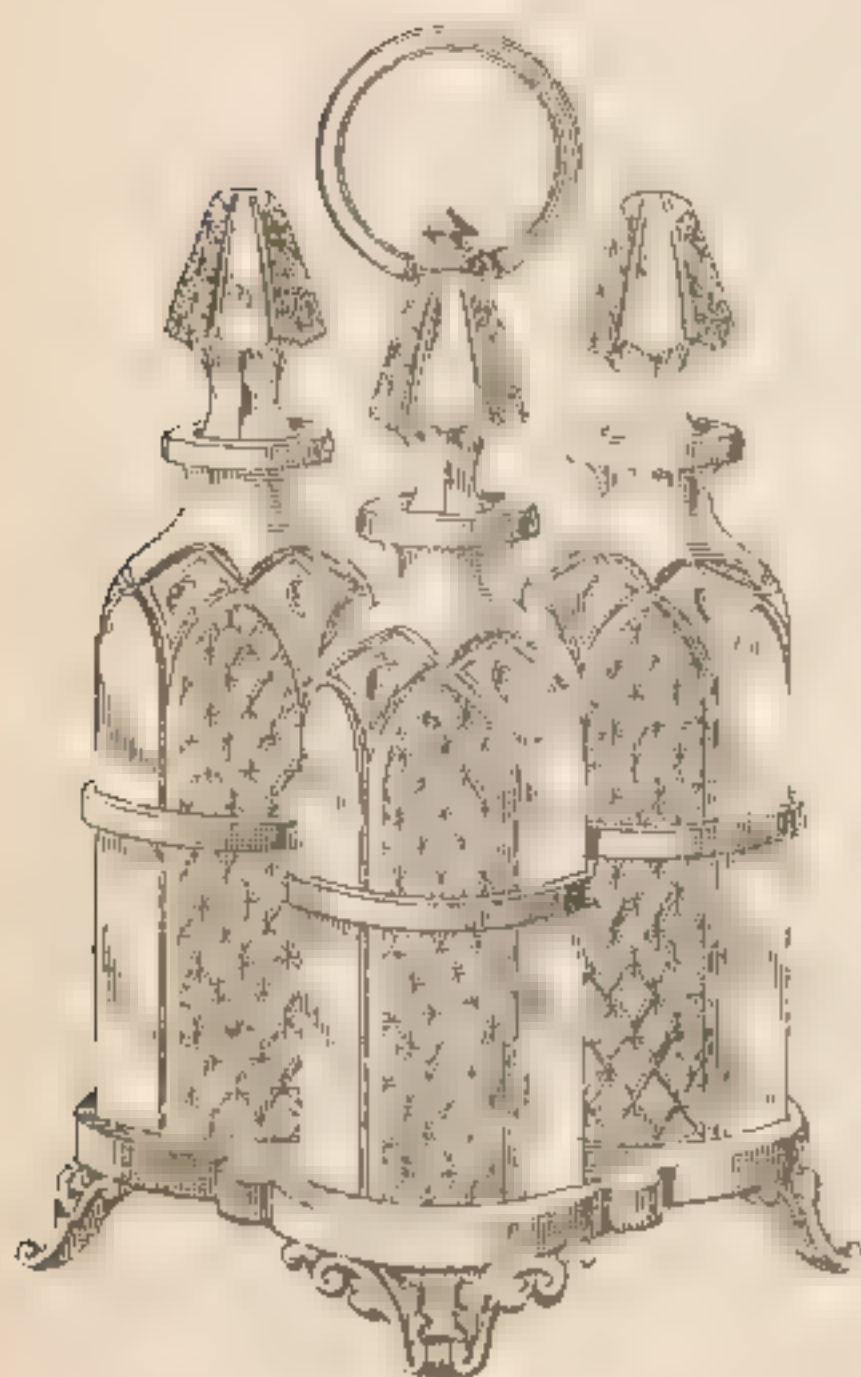


20023-70/

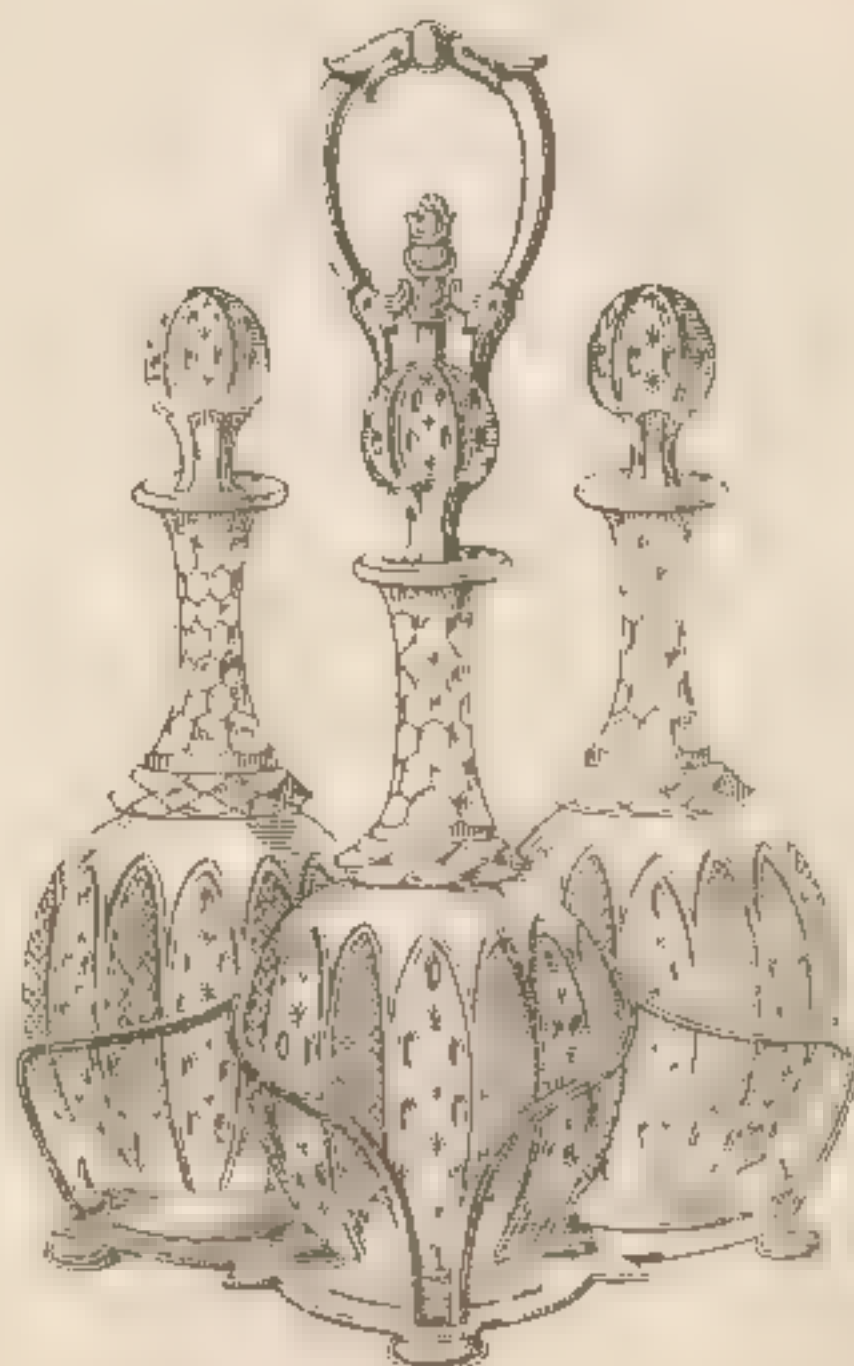


23664

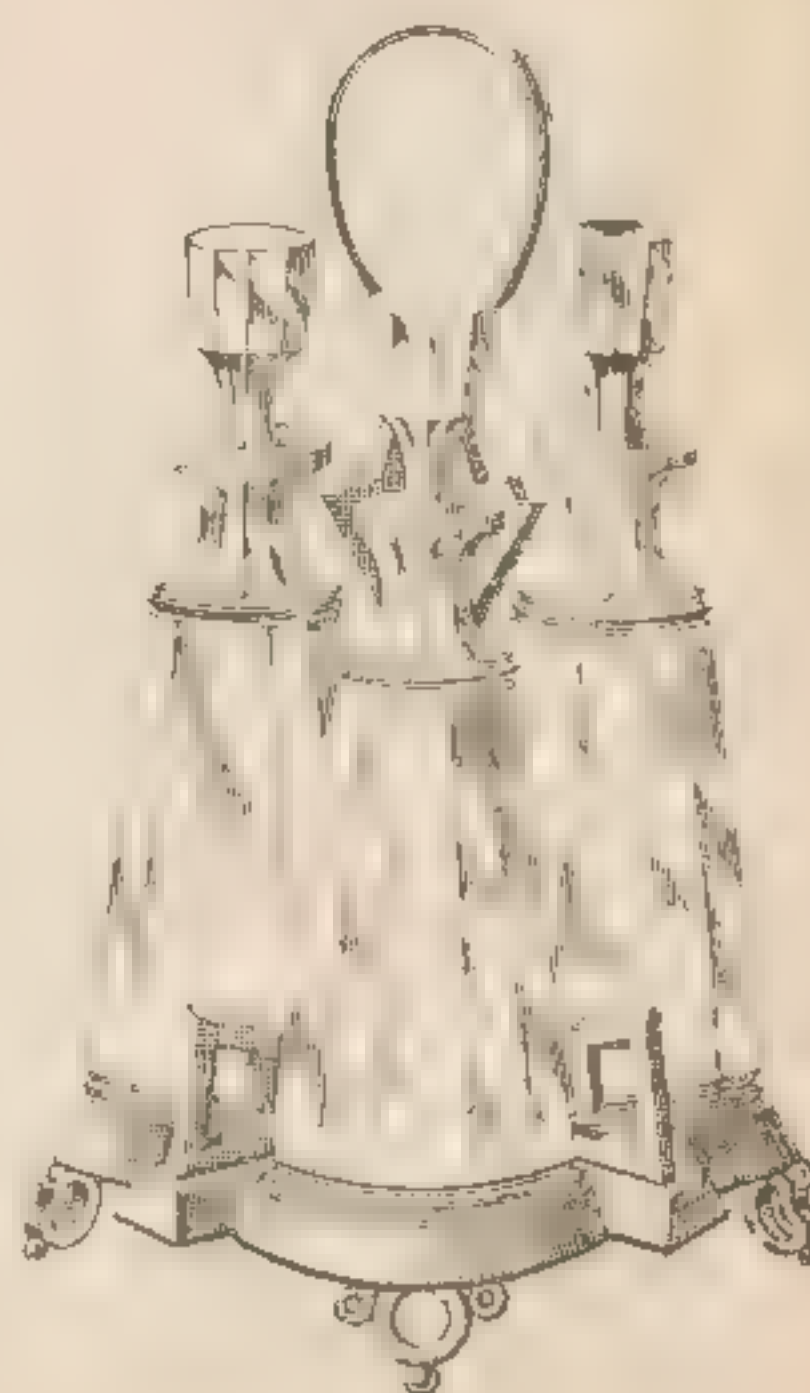
6 glass, 68, each.



A1. 20060 80/



20059 90/



20024-94/

N.B.—A1 quality is extra Plated and has superior Glasses to the Medium quality

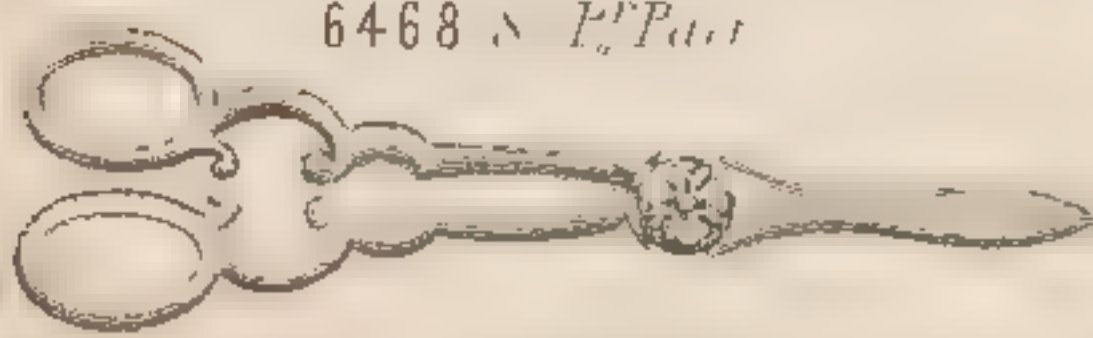
PATENT ELECTRO PLATE.



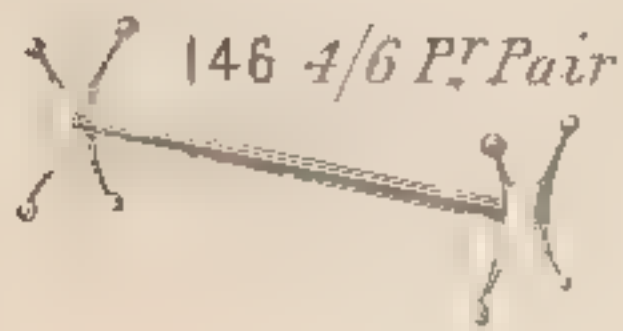
9479 10 1/2 P^r Pair



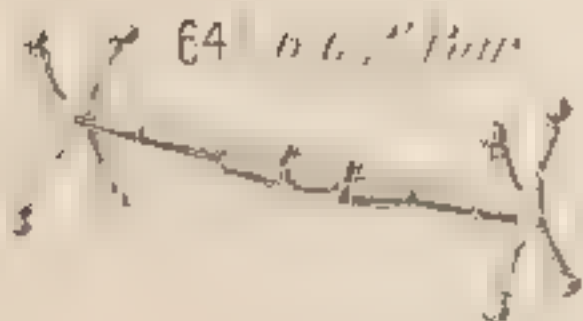
9478 9 1/2 P^r Pair



6468 8 P^r Pair



146 4 1/6 P^r Pair



64 6 1/2 P^r Pair



1200 5 P^r Pair

1/2 Pint 1 1/2 1 Pint 2 1/2 - ea
1 Quart with Lys. Cover, 2 ea



10519



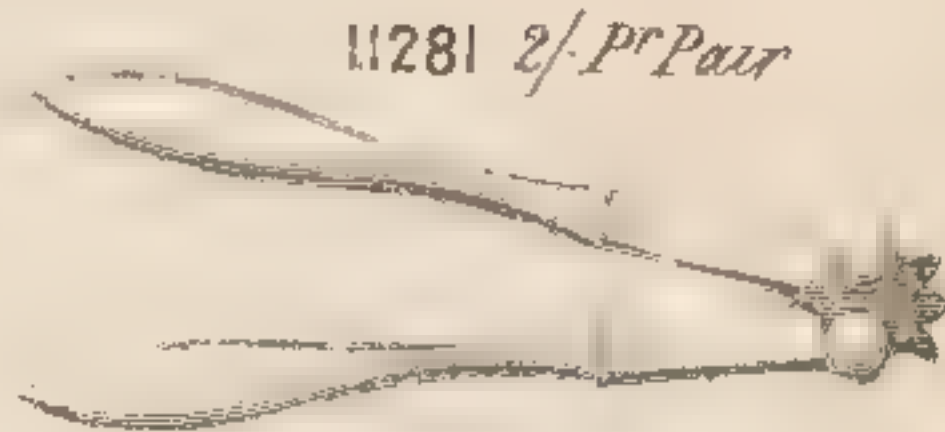
Pearl 9 6

0980

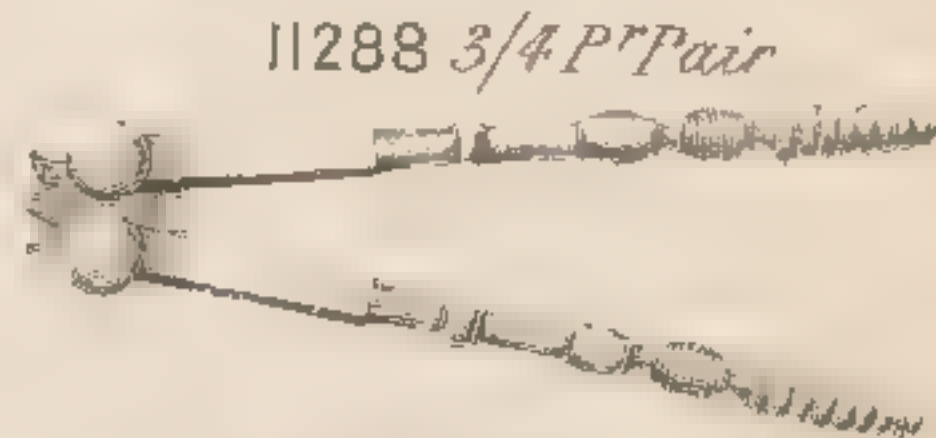
Plain 12 ea 1 1/2 1/2 1/2 ea
1 1/2 1/2 1/2 ea 2 1/2 ea
3 1/2 2 1/2 - 1 Pint 28 ea



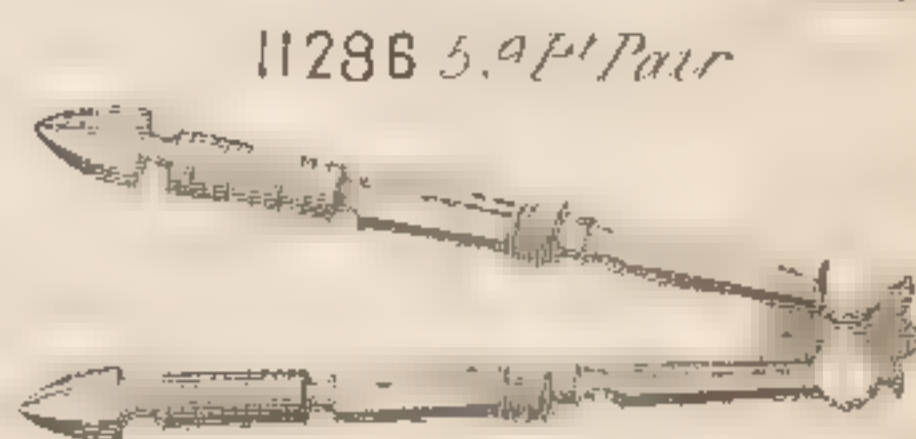
0422



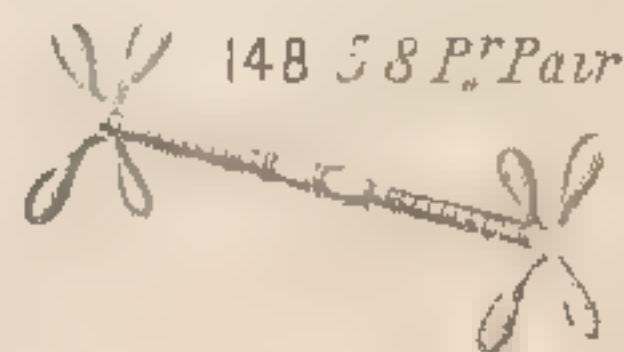
11281 2 1/2 P^r Pair



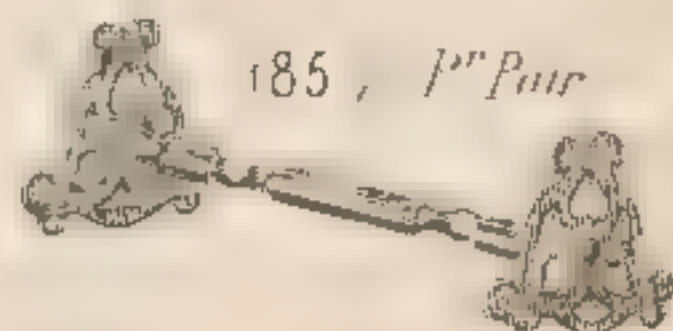
11288 3 1/4 P^r Pair



11286 5 1/2 P^r Pair



148 5 8 P^r Pair

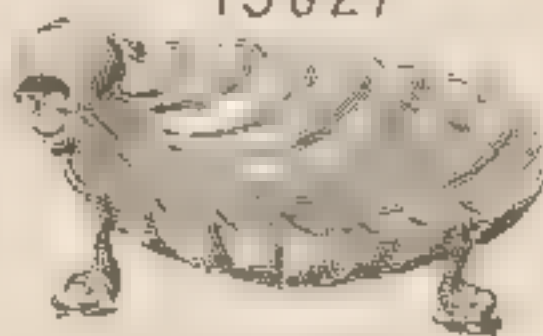


185 1 P^r Pair



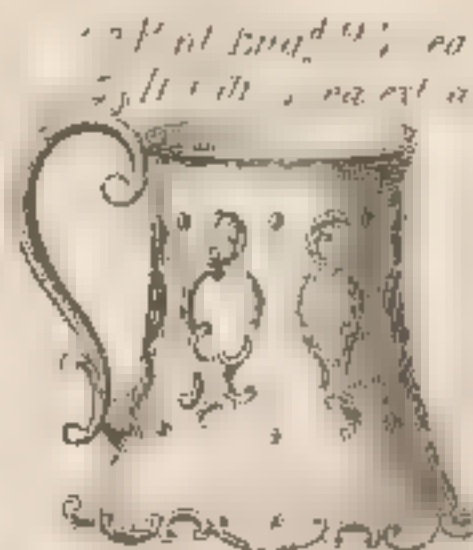
10091

Plain 11 Embossed 12 9 ea



13027

6 10 12 ea



0068

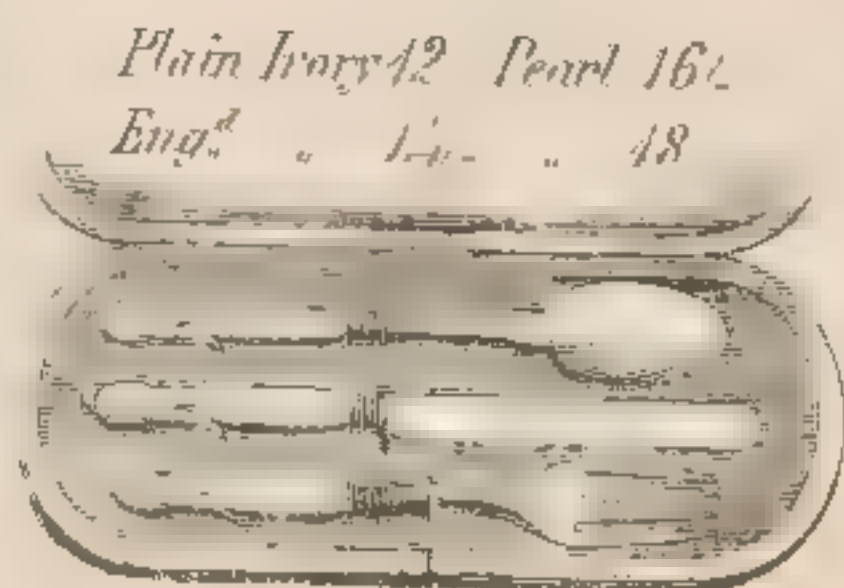


11297 6 6 P^r Pair

Plain 10 Pint 18 1 P^r 2 1/2 ea



10066



Plain Ivory 12 Pearl 16
Eng^d 1 1/2 48

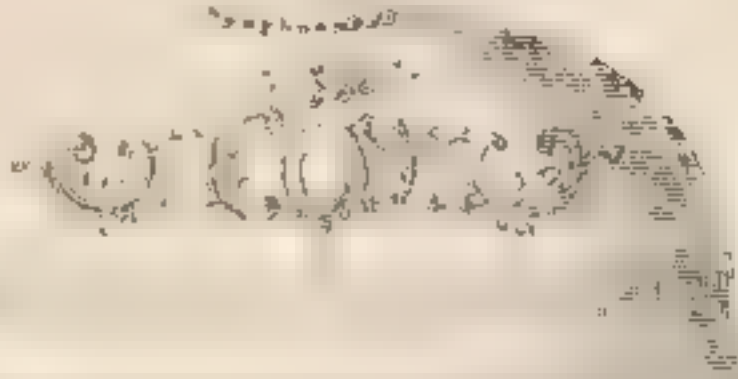
0981

PATENT ELECTRO PLATE

Cadron & Pearl Mounts
are the same price



Bead Handle
10990



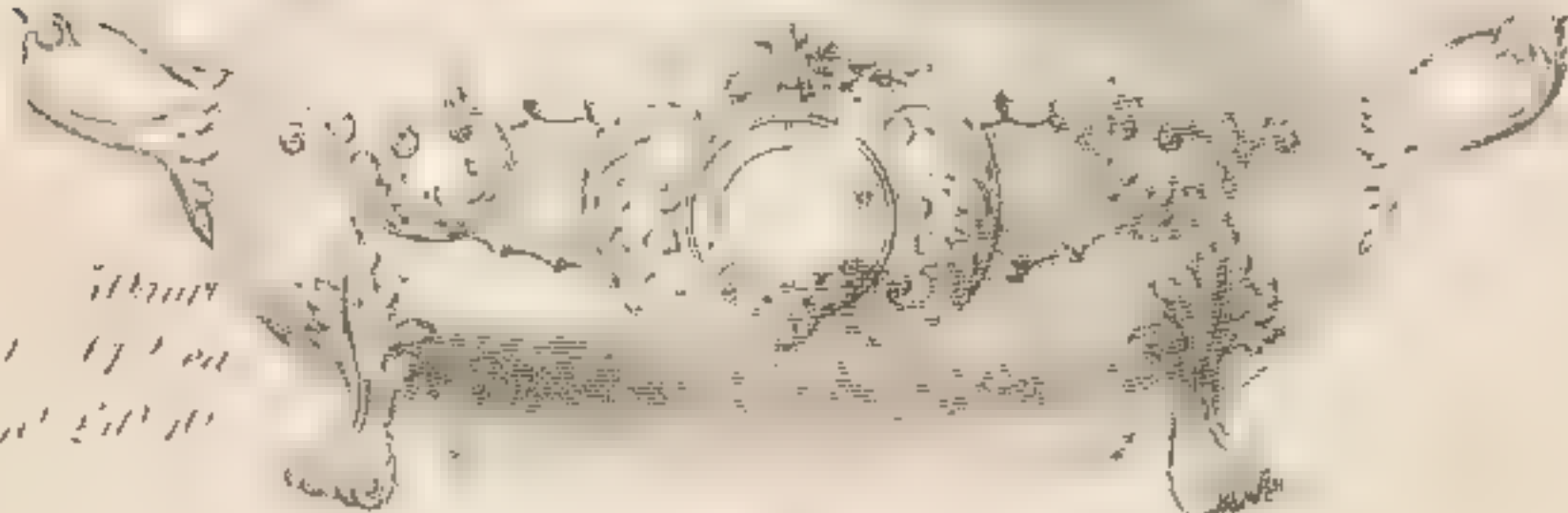
FRENCH CADRON



16 18 20 Inch.
16 88 98 110 ea
16 56 61 71 78.

11 Inch Oval 60¢ Each
or 12 L. Perrot
Warmers 45¢ Each.

Scroll Handle
10991



16 18 20 Inch.
16 88 98 110 ea
16 56 61 71 78.

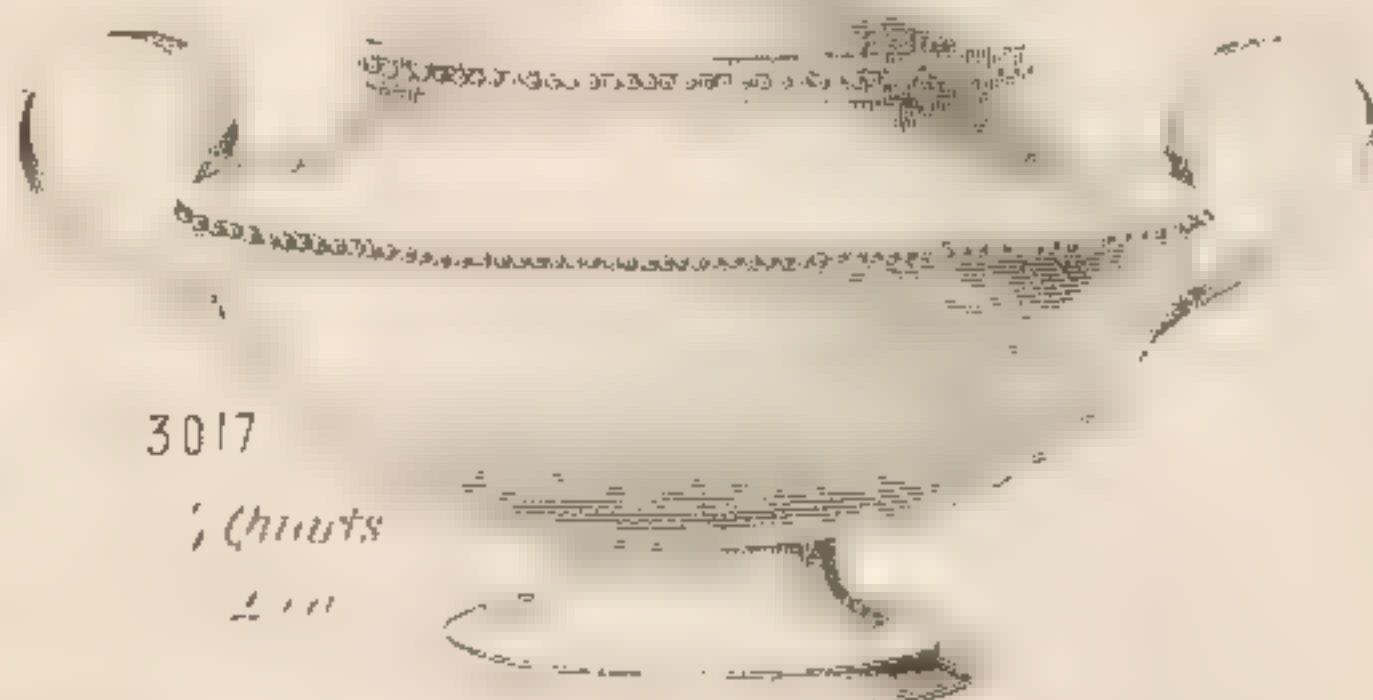
SOUP TURENS

10083



3017

1/2 Chart
2 1/2



7740 EP



10992



Engraved 80. ea.
Plain 70

9410

316 P. Pair



MUFFIN OR

Chop Dish.



8493 " " "



13018 " " "



1969

15 G. P. Pair



120 " " P. Pair

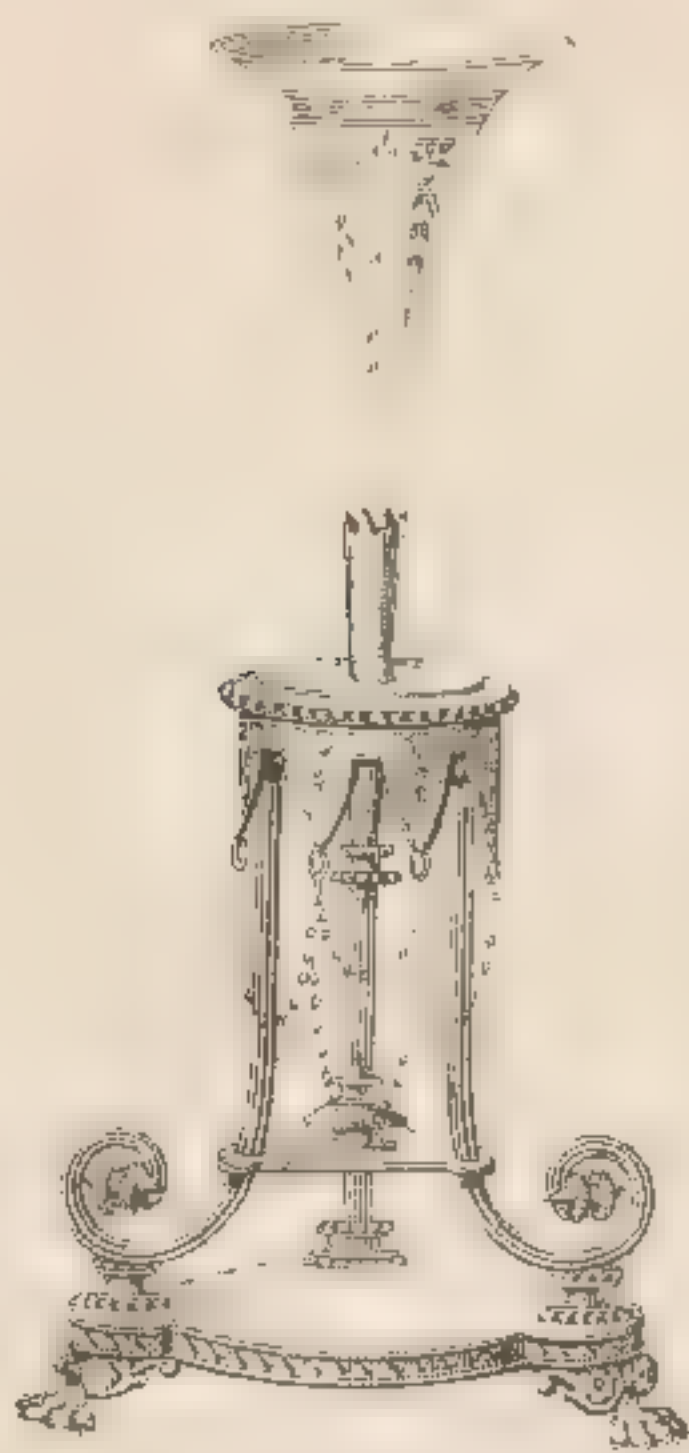
10090
86 ea



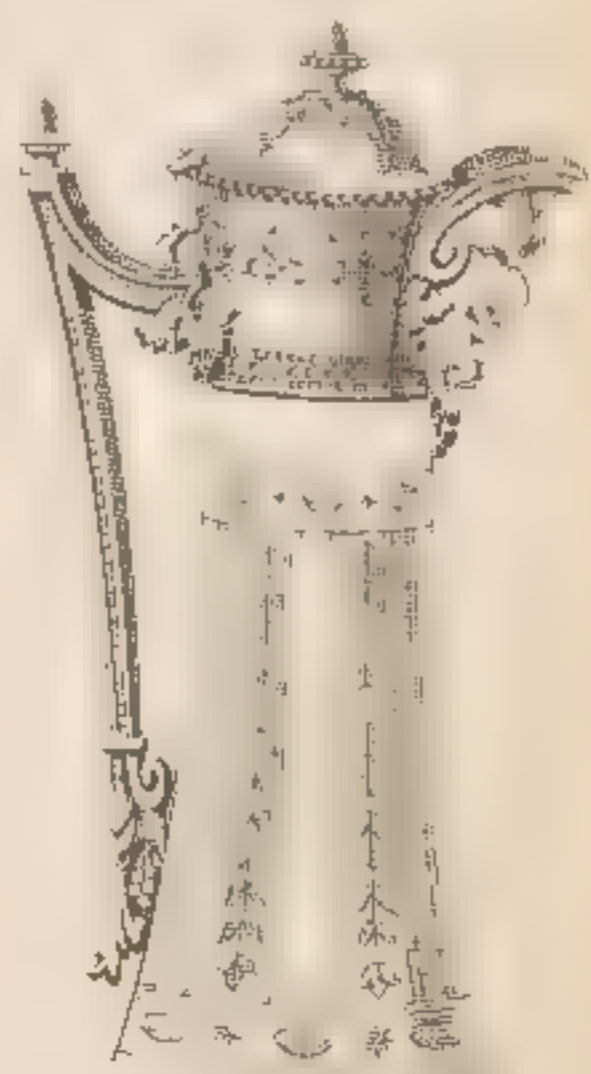
PATENT ELECTRO SILVER PLATE ON GERMAN SILVER



20328



21151 76/ea



21153 60/ea
If Partial Gilt 66/



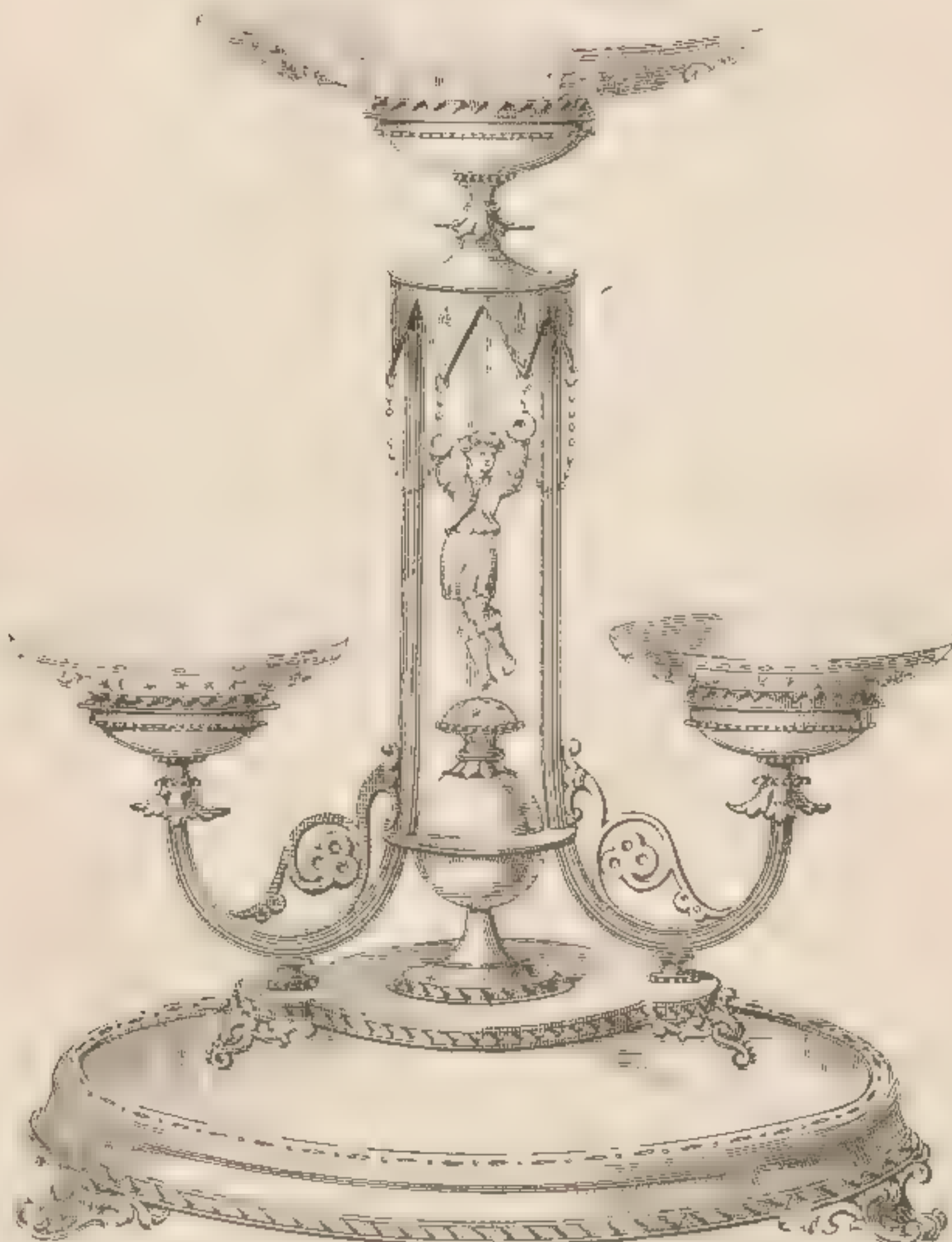
23629 £2 15 0
9in high, Glass 7in



23630 £4 10 0
9 1/2 in high Glass 8 1/2 in



23626



21151 £12 0. 0 ea
Plateau 3.12 0



23625 26/ ea

PATENT ELECTRO PLATE.

02323

ROUND WAITERS

TEA TRAYS

10. 12. 14 inch.
18. 20. 22. 24.

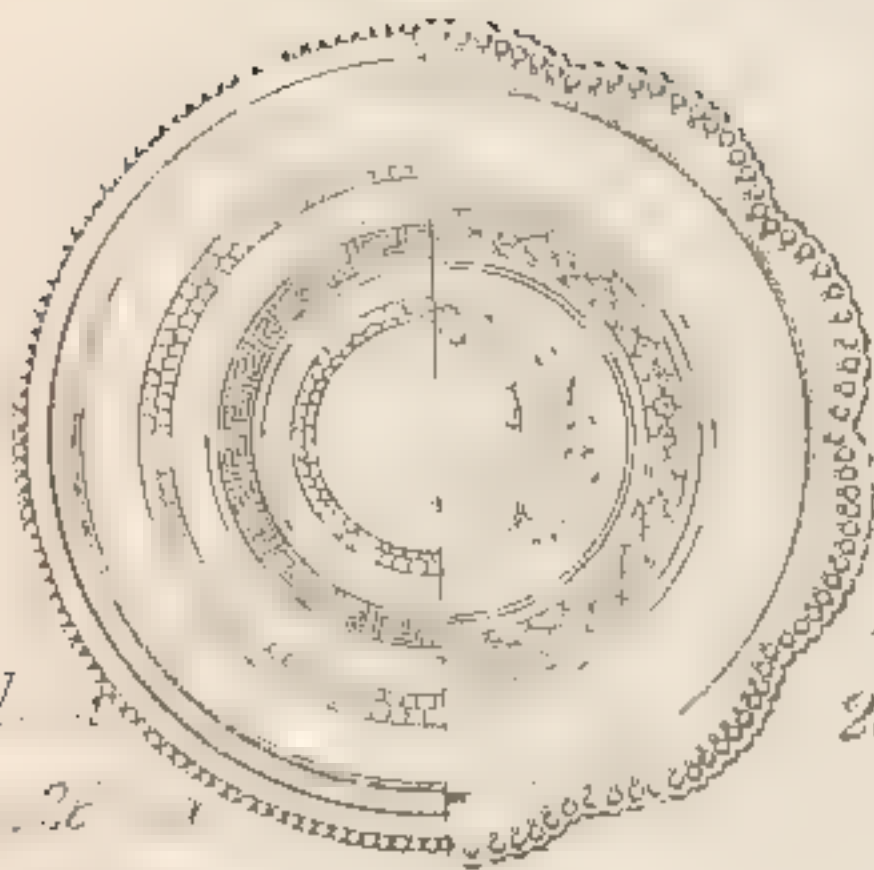
18. 20. 22. 24.
26. 28. 30. 32.



02399

02304

5. 1.
C. 24. 26.
A. 2. 4. 6. 8.

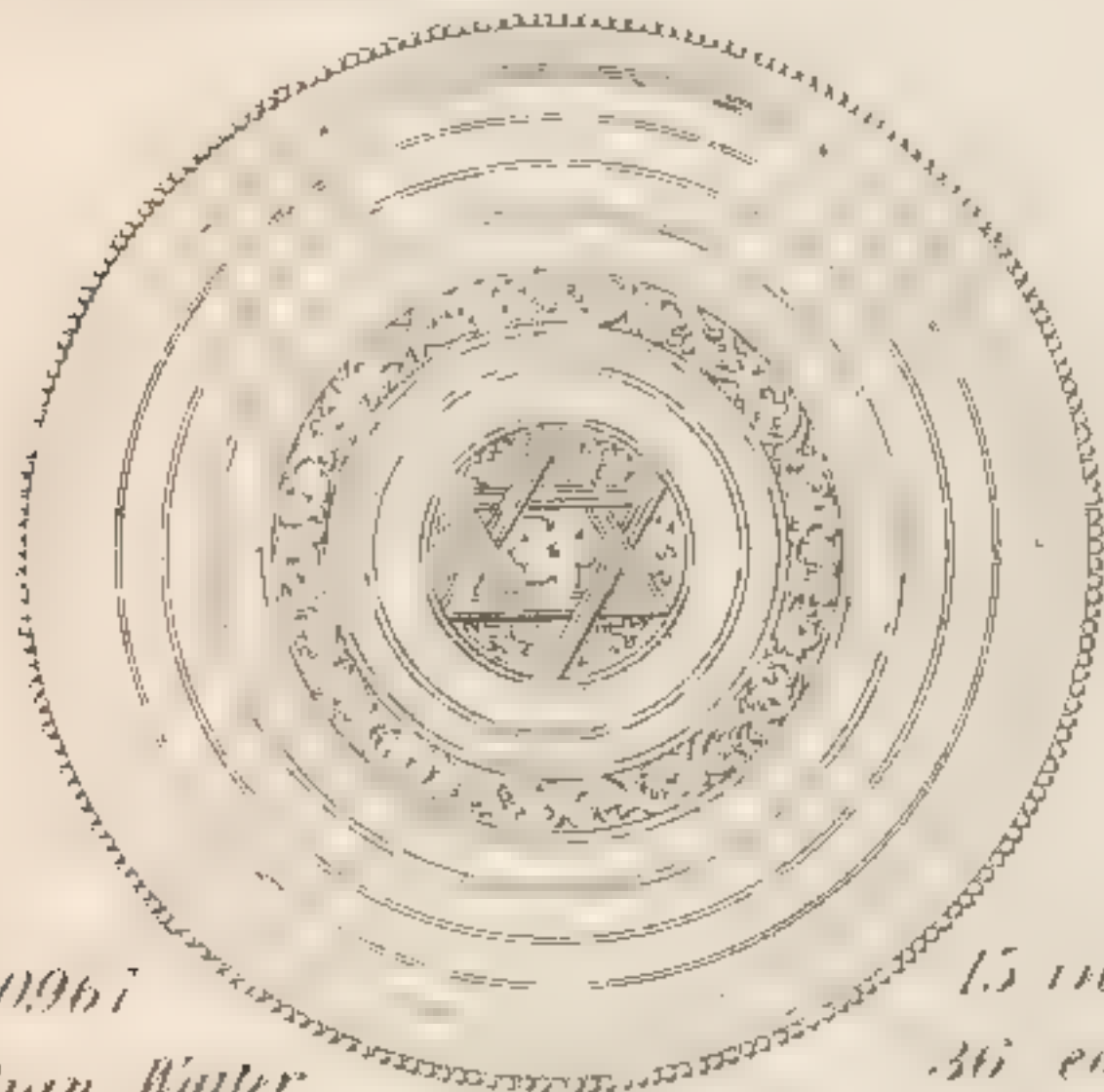


10. 12 in.
20/- 22/- ea



20019

8 10 12 14 inch
25 30 35 40



10967
Indian Water

15 in.
36 ea.



20020

8 10 12 14 inch
12 16 20 25

10968



8. 10. 12 in.
28/- 40/- 52/- ea.

14. 18 in.
65/- 108/- ea



20021

8 10 12 14 inch
12/- 16/- 20/- 25/-

PATENT ELECTRO PLATE

7753 EP

Coffee Pot.

4 5 6 Gall

80/- 85/- 91/- ea



Tea Pot

4 5 6 Gall

63/- 67/- 72/- ea



Hot Water Pot

2 4 5 Gall

48/- 75/- 85/- ea

OLD SILVER PATTERN

13024

Coffee Pot

4 5 6 Gall

85/- 90/- 97/- ea



55/- ea

Tea Pot

4 5 6 Gall

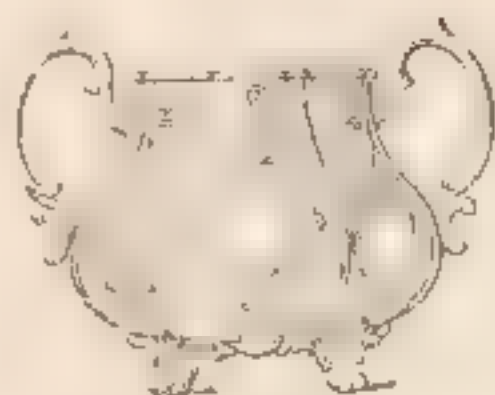
75/- 80/- 87/- ea

PATENT ELECTRO PLATE ON GERMAN SILVER.

UXBRIDGE PATTERN. 8511



1/2 pint, 48/



65.



4 5 6 gill
70 7 1 21



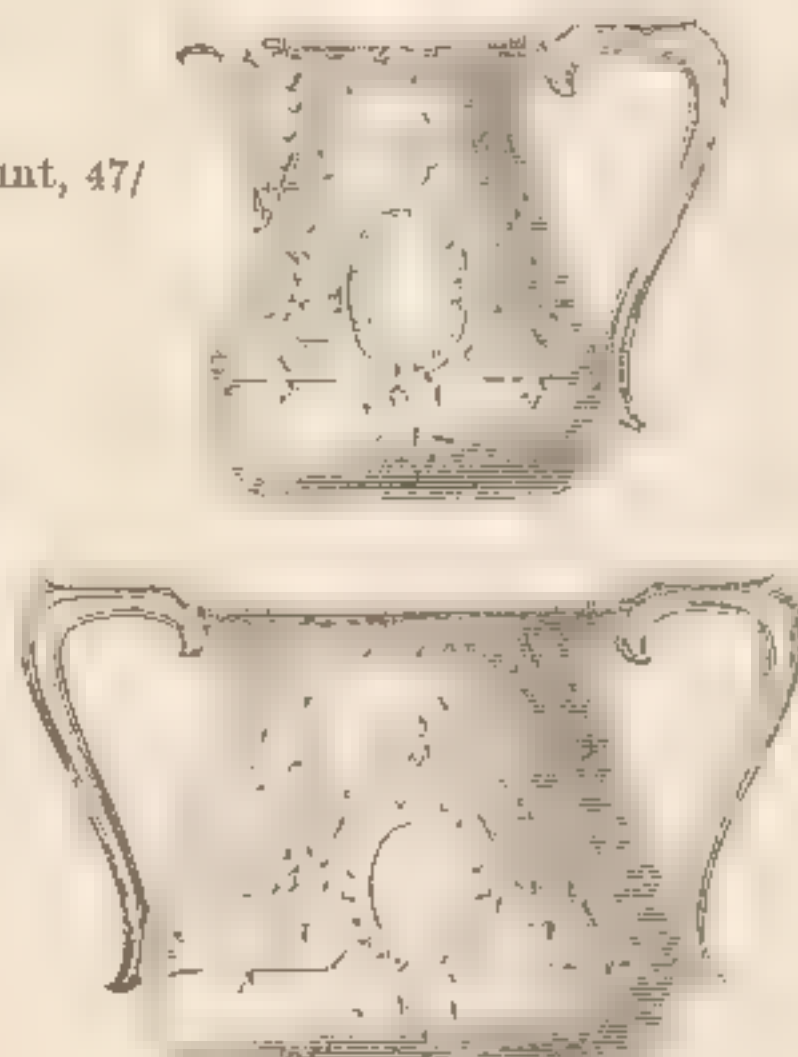
4 5 6 gill
80 7 1 21

1/2 pint, 47/

CAN SHAPE. 10518



4 5 6 gill
62, 67, 72



6.



4 5 6 gill
72 81 91

20096



4 5 6 gill
43/ 48, 53,



1/2 pint 28/



34/



4 5 6 gill
47, 52, 58

20095



4 5 6 gill
41/ 46, 51,



1/2 pint, 26/



34.

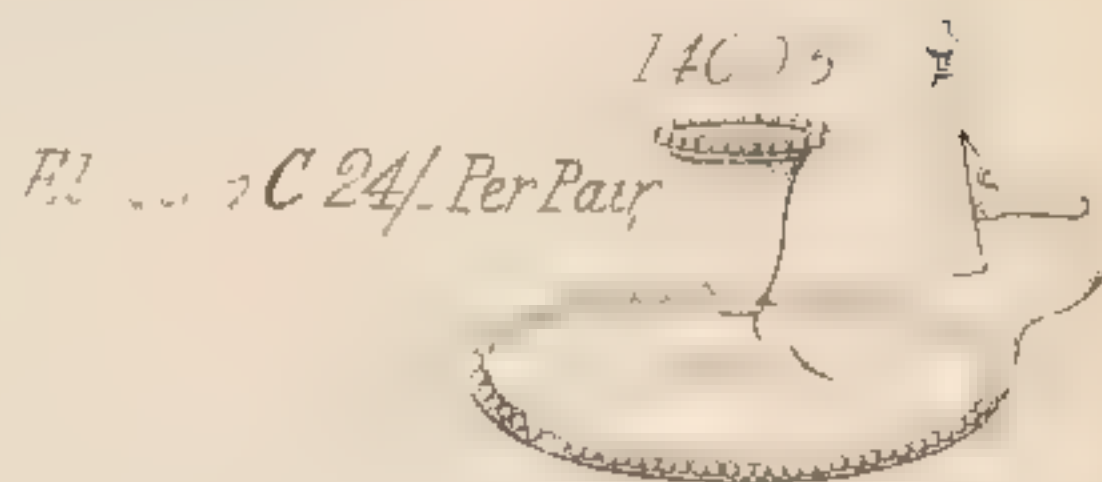


4 5 6 gill
45, 50, 56/

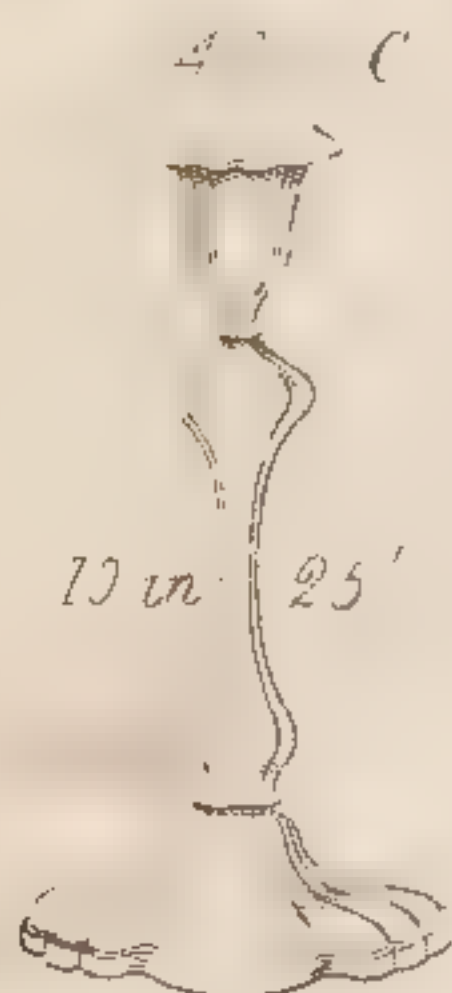
PATENT ELECTRO-PLATE ON GERMAN SILVER.



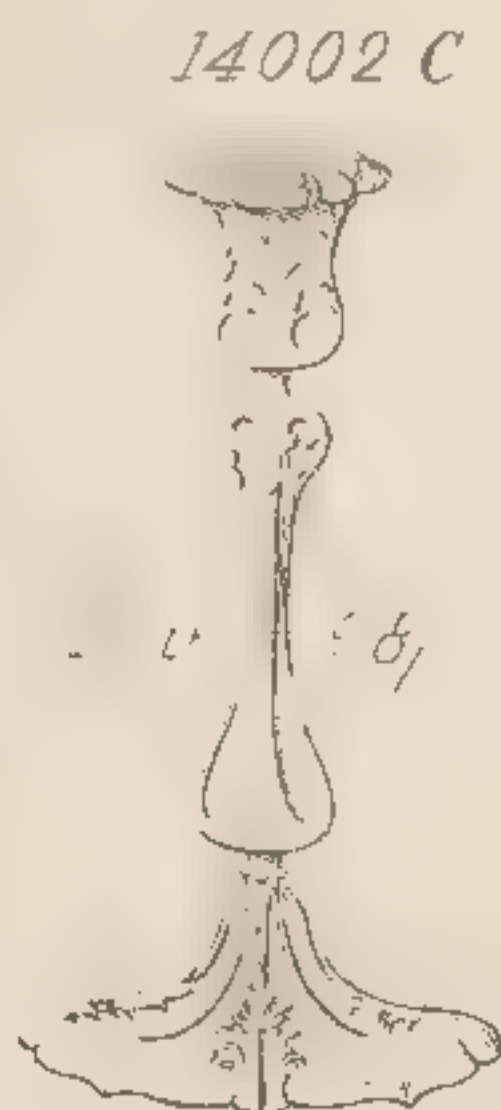
*Electro A 44/ Per Pair
Do C 38/*



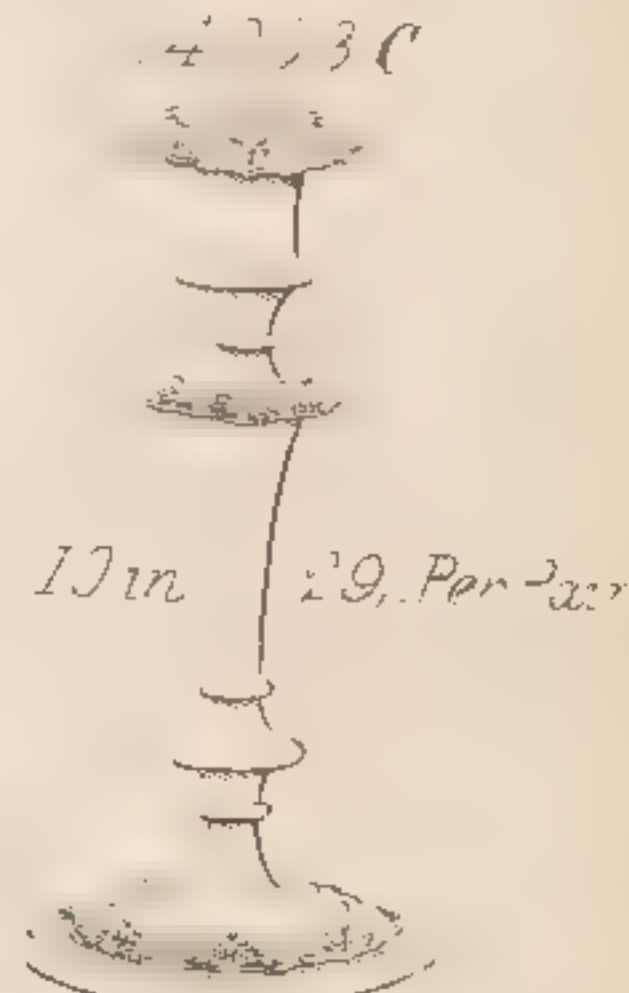
Electro C 24/ Per Pair



10 in 25/



14002 C

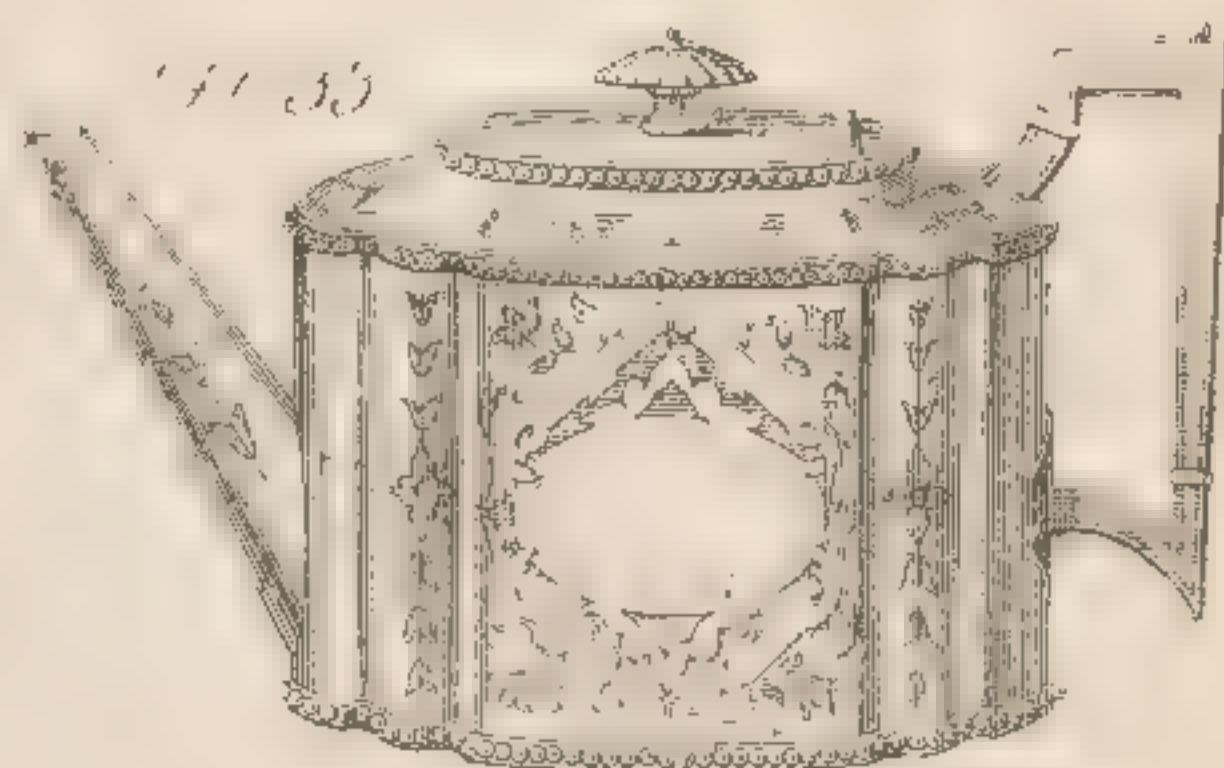


10 in 29/ Per Pair

ELECTRO-PLATED ON BRITANNIA METAL.



*14010
Cream Ewer 16/6*



*14011
Cream Ewer 16/6*

**1° 8549 B
COTTAGE PATTERN.**



	Eng	Plain
Coffee Pot 5 Gills	28	24
Tea Pot 5 Gills	24	20/
Sugar Basin Gilt	23/	19/
Cream Ewer Gilt	19	16 6

**1° 8550 B
UXBRIDGE PATTERN.**



Eng	Plain
28	26
26	22
21	21
20	17 6

**1° 8599 B
RAGLAN PATTERN.**



Each
27
22
22
18

CUTLERY.

TABLE AND DESSERT KNIVES.

				Length of Handle.	Table Knives.	Dessert Knives.	Carvers.	Steels.
					per doz.	per doz.	per pin	each
Ivory	...	...	pinned	3 1/4 in.	10/-	8/-	2 6	1 -
Ditto	...	...	"	3 1/2	12/6	10/6	3 6	1 -
Ditto	...	...	"	3 3/4	15	12/6	4	1 3
Ditto	...	best	"	3 1/2	25 -	20 -	5 -	1 9
Ditto	...	...	"	4	18 -	14 -	5 3	2 -
Ditto	...	...	"	4	21 -	18 -	6 6	2 3
Ditto	...	best	"	4	25 -	20 -	7 6	2 6
Ditto	...	...	through pin	4	25 6	20 6	8 6	3 -
Ditto	African	...	"	4	30 -	25	10	3 6
Ditto	ditto	silver ferrules	...	4	35 -	30 -	12	4 6
Ditto	...	...	pinned	4 1/4	25 -	20 -	7 3	2 6
Ditto	African	...	"	4 1/4	32 -	27 -	10	3 6
Ditto	...	...	"	4 1/2	30	25 -	7 3	3 -
Ditto	African	...	"	4 1/2	35 -	30 -	10	5 -
					Knives and Forks.			
White bone.	...	3-pin	3 1/2	2/3	3 3			
Ditto	...	bolster	3 1/2	3 6	5 3			
Black tip	...	3-pin	3 1/2	2 4	3 6			
White or black	...	"	3 1/2	4 -	6	2 3	1 -	
Ditto	...	ditto Best	3 1/2	5 -	7 3	3 6	1 6	
Stag, capped	...	...	3 1/2	3 -	4 3	3 -	1 9	
Ditto ditto, superior	...	...	3 1/2	6 -	9	3 6	2 -	
Ditto ditto Best	...	...	3 1/2	10 -	15 -	4	2 6	

BREAD KNIVES.

Carved Sycamore handles, 3/- per dozen and up.

Ditto Boxwood ditto 6/- " "

Ditto Ivory ditto 24/- " "

Plain Mahogany Case—to hold 1 dozen each Ivory Table and Dessert

Knives, Electro-plated Table and Dessert Forks, Carvers and Steel 18/-

If dome top ... 20/-

Mahogany Case—to hold 6 dozen pieces, Carvers and Steel ... 30/-

If brass bound ... 35/-

POCKET KNIVES.

Sportsman, stag chequered horn or ivory handle, 8 articles ... 30/- dozen.

Ditto ditto ditto 13 " ... 66/- "

Ditto pearl or shell handle ... 13 " ... 76/- "

Pen only, 1 and 2 blades ... 4 to 12 - "

Pocket, stag handle, 2 blades ... 15 6 "

Ditto ivory " 2 " ... 17 6 "

Ditto bone " 2 " ... 10 9 "

Ditto " " 2 " superior. . . 12 6 "

Ditto " " 3 " ... 18 - "

Ditto stag " 3 " ... 22 6 "

Ditto " " 4 " ... 24 - "

Ditto bone " 4 " ... 16 6 "

Ditto " " 4 " superior... 25 6 "

Penknife and Pencil, 1 blade ... 10 6 "

Ditto ditto 1 " superior... 18 - "

Penknife, Pencil, and Pen, 2 blades ... 39 - "

Ditto ditto 2 " superior ... 12 - "

CUTLERY (continued).

SCISSORS.

Embroidery	...	9/- to 30/- doz.	Nail	...	...	12/- to 42/- doz.
Button-hole	...	12/- to 24/- "	Tailors'	...	...	8/6 to 60/- "
Cutting-out	...	12/- to 42/- "	Cases contng.	3 pairs,	5/6 ea. and up.	
Ladies', with chased bows	...	18/- to 42/- "	Ditto	4	6/6	" "
			Ditto	6	16/-	" "

CHAMPAGNE NIPPERS.

Black Soda Water Nippers	...	...	...	...	13/3 dozen.
Bright ditto ditto	...	...	...	...	17/- "
Black Champagne ditto	...	...	...	...	21/6 "
Bright ditto ditto	...	...	...	...	25/6 "
Ditto ditto with brush	...	...	...	...	35/6 "
Ditto ditto with corkscrew	...	...	...	...	66/- "

RAILWAY KEYS, from 8/- to 14/- doz.	GINGER BEER OPENERS, 5/- doz.
SARDINE KNIVES, 3/6 doz.	TIN CASE ditto 9/6 "
SUGAR NIPPERS ... 5½ inch, 22/-	7½ inch, 25/6. 9 inch, 28/6 dozen.
	5 6 7 8 9 10 11 12 inch.
PRUNING SHEARS ... 17/- 18/- 23/- 27/6 36/- 40/- 48/- 56/- doz.	
Cocoa handle ... — — — 47/6 50/- 54/6 — — "	
	7½ 8 8½ 9 9½ 10 10½ 11 11½ 12 inch.
GARDEN SHEARS, 28/- 30/- 34/6 39/- 41/- 48/- 52/- 56/- 66/- 75/- doz.	
If with notch, 4/6 per dozen extra.	
TOBACCO CUTTER, on plain block ... 12/- per dozen.	
TOBACCO BOX KNIFE ... 8/6 "	

BRACE AND STRAP BUTTONS.

40 lines to the inch.				21	22	26	lines.
4 holes, white	...	...	...	2/2	5/9	4/9	per gt. gross
Ditto ditto, better quality	...	...	...	3/6	—	6/-	" "
Ditto black	...	...	...	3/6	—	4/6	" "
Ditto ditto, better quality	...	...	...	4/6	—	5/6	" "
2 bars, white	...	...	...	3/3	—	4/-	" "
Ditto ditto, better quality	...	...	...	5/-	—	6/-	" "

GOLD AND COPPER PAINT.

(BESSEMER'S PATENT).

This paint can be applied, without skilled labour, to iron, brass, wood, porcelain, plaster, and leather:—

Small Bottles of Gold with liquid	1s. 6d. each	Large Bottles of Gold	...	3s. 6d. each
Medium " " "	2s. 6d. "	Ditto ditto Liquid	...	0s. 6d. "

RAT TRAPS.

				12	14	16 inch.		
Galvanized Wire, square	...	...	...	3/-	3/6	4/- each.		
	No.	0	1	2	3	4	5	6
Spring, round jaw	...	2/6	2/9	3/-	3/3	3/6	4/-	4/6 doz.

WEIGHTS OF CAST POTS.

LONG 3-LEG'D POTS.

APPROXIMATE WEIGHTS.

$\frac{1}{2}$ gallon	...	4 lbs.	4 gallons	...	16 lbs.
$\frac{3}{4}$ "	...	5 "	5 "	...	18 "
1 "	...	6 "	6 "	...	21 "
$1\frac{1}{2}$ "	...	8 "	20 "	...	90 "
2 "	...	10 "	30 "	...	120 "
$2\frac{1}{2}$ "	...	11 "	40 "	...	125 "
3 "	...	13 "	50 "	...	225 "
$3\frac{1}{2}$ "	...	15 "			

CAMP OVENS AND COVERS.

APPROXIMATE WEIGHTS.

Weight of each,	$5\frac{1}{2}$	9	11	13	$16\frac{1}{2}$	20	22	25 lbs.
	9	10	11	12	13	14	15	16 inch.

LEG AND ARM RINGS.

			$2\frac{1}{2}$	3	$3\frac{1}{2}$ inch.
Hollow Brass, milled	...	...	$2/6$	$3/6$	$3/9$ per doz.

SNUFF BOXES.

Round Tin, Queen's head, $1\frac{1}{2}$ inch	...	...	...	$3/9$ per gross.
" " Victoria and Albert, 2 inch	...	...	...	$4/9$ "
Oblong Metal, engraved and gilt inside $2\frac{1}{4}$ in.	24	per gro.	} For orders of 5 gro. & up. 2/- p. gro. less	
Ditto ditto ditto $2\frac{5}{8}$ in.	28/-	"		
Ditto ditto ditto best $2\frac{1}{4}$ in.	5, 6	per doz.	} For orders of 50 doz. and up. -/6 per doz. less, and for larger orders a further reduction.	
Ditto ditto ditto $2\frac{3}{4}$ in.	7/6	"		

SPEAR KNIVES.

			6	7	8	9	10	12	14	18 in.
White bone scale tang, pinned	$2/3$	$2/9$	$3/3$	$4/-$	$4/6$	$5/9$	$7/9$	$14/6$	doz.	
Ditto ditto, brass capped	$2/5$	$2/11$	$3/6$	$4/3$	$4/9$	$6/-$	$8/-$	$14/9$	"	
Iron handle	...	...	...	—	—	—	—	$7/9$	—	"
Horn	...	...	...	—	—	—	—	$9/-$	—	"

HANDCUFFS AND LEG IRONS.

Handcuffs, figure 8	...	...	...	...	...	$12/-$ doz. pair.
Ditto soft	...	...	...	...	...	$24/-$ "
Ditto hard	...	...	...	...	...	$26/-$ "
Leg Irons	...	...	...	...	...	$3/9$ and $5/-$ per pair.

MUSICAL INSTRUMENTS.

PIANO-FORTES.

These Instruments are all sound and brilliant in tone, and made of seasoned wood, specially selected for hot climates. All the modern improvements, to insure lightness of touch, &c., are introduced.

SEMI-COTTAGE—4 ft. high, 7 octaves, metallic plates, 8 braces bolted and screwed in each, full fret front, walnut or rosewood case ...	£20
If with carved truss legs	23
If with 9 braces bolted and screwed, trichord treble and carved truss legs	25
COTTAGE—4 ft. 3in. high, trichord treble, and carved truss legs ...	30
If extra screwed for extreme climates	32
GRAND COTTAGE—4 ft. 6 in. high, extra finished	40
If with 10 braces bolted and screwed, 5 octaves of trichord, polished plate on bent side, metallic wrest plank, patent escapement action, bushed keys, oval pins, bur walnut case, with extended ends, full fret, Bath desk, &c.	60
If in black and gold case	72

VIOLINS.

Genuine Old Italian Instruments, by Antonius and Heironymus, and Nicholas Amati, Bergouzi, Gabrielli, Gagliano, Grancino, Guadagnini, Peter Guarnerius, Joseph Guarnerius del Gesù, Landulphus, Maggini, Panormo, Ruggierius, Rogeri, Gaspard di Salo, Techler, and Testore	£50 to £150 each.
Genuine Old French Copies, by Lupot, Butlod, J. B. Vuillaume, and Derazey Père	£20 to £100 „
Modern French Copies, by Makers of repute	£10 to £15 „
New French Copies, of good make	£3 to £6 „
German Copies, from 7/- to 40/- each.	
Common German Violins, 25/6 to 48/- per dozen.	
Tenors, from 15/- upwards.	
Violoncellos, from £2 upwards.	Double Basses, from £5 upwards.
Bows—Common, 4/- dozen. Ebony Nut, 7/- to 30/- per doz. Best, 7/- each.	
By Dodd, Tourte, and J. B. Vuillaume, £5 to £10 each.	

VIOLIN CASES.

Black, with brass fittings	5/6 each.
Polished, ditto hooks	7/6 „
Ditto ditto springs	8/6 „
Varnished ditto hooks	8/6 „
Ditto ditto springs	9/6 „
Ditto red lining	10/6 „
Ditto blue lining	13/- „
Ditto stronger	15/- „
Ditto ditto	21/- „
Mahogany	27/6 „
Ditto best	32/- „

MUSICAL INSTRUMENTS (continued).

VIOLIN STRINGS.

				1st.	2nd.	3rd.	
Ordinary	...	...	...	2/6	4/6	5/6	per bundle.
Superior ...	...	...	...	3/6	5/-	6/-	„
Silk ...	...	...	...	5/-	—	—	„
Ditto superior	...	...	...	6/-	—	—	„
Ditto best	...	...	...	9/6	—	—	„
Anglo-Roman	...	...	...	5/-	6/6	8/6	„
Real Roman	...	...	...	7/6	9/6	12/-	„
Ditto superior	...	...	...	10/-	12/-	15/-	„

NOTE—The largest collection of Violins ever made was brought together by the late Mr. JOSEPH GILLOTT, the celebrated steel pen maker, of Birmingham. At his death, in 1872, they were sold by public auction and realized prices ranging up as high as £290 each. This class of instruments is every year increasing in value. They are best to be obtained from respectable dealers, who are well known to those who are in the habit of buying.

APPENDIX.

CHAMPION PAINT.

See page 42.

The following are TESTIMONIALS given in favour of this Paint:—

From WATTS, MILBURN, & Co., (Steamer Department), Newcastle-upon-Tyne.

Dear Sir,

Your favour of yesterday to hand. I can testify in high terms of the good qualities of the Champion Paint for the inside of iron vessels.

I have used it in our Copper Ore Carrying Steamer for *three years*; during that time I only coated her twice. When her contract was up she was perfectly free from pits and corrosion.

Yours very truly,

J. BOLT.

*From OSWALD & Co., Shipbuilders, Engineers, Iron Manufacturers, and Founders,
Pallion High Yard, Sunderland.*

Dear Sir,

I have pleasure in certifying to the good and lasting qualities of the Brown Paint, got through you, and used in various ways by myself, and can recommend it to any one requiring such a paint.

I am, dear Sir, yours truly,

J. H. OSWALD.

Physgill House, Whithorn, N.B.

Dear Sir,

I am glad to hear that I shall again be able to purchase the "Champion" Paint, as I wanted it very much for the two iron ships last spring, and was unable to get it. During the three or four years I used it, I found it the best paint to be applied to the surface of iron, whether inside or outside the ship.

We had then to mix it ourselves, and found a difficulty in getting it to dry rapidly; but now that you can furnish it mixed with oil, it will be all that can be desired.

Yours very truly,

J. PALMER PALMER.

APPENDIX.

From J. P. DAVIES, Block and Sail Maker, 75 Crane Street, Chester.

Dear Sir,

I have used your Chocolate Brown Paint, as manufactured by you, upon my premises, and am well satisfied with it. It has stood remarkably well during the last four years. Its colour is unaltered, and it well resists all atmospheric influences and other decomposing agencies.

Yours truly,

JOHN P. DAVIES.

Birkenhead.

My Dear Sir,

I have pleasure in testifying to the superior preservative qualities of the Champion Paint, having tested it on several occasions during the last five years.

For coating the inside of ships it cannot be surpassed, as it so perfectly resists the action of acids, which are created by the chemical agencies contained in most cargoes, and do so much mischief to the inner surface of iron ships.

It will remain intact under the action of sulphuric or nitric acid; but pour a drop on red lead or oxide of iron and its immediate destruction follows.

Its specific gravity is small—about one third that of red lead—therefore 1 cwt. of the raw material should cover nearly three times the surface that an equal weight of red lead would do.

I have every confidence in recommending its use.

Yours truly,

WM. ASHLEY CLAYTON.

Exchange, Liverpool.

Dear Sir,

In accordance with your request, I have great pleasure in sending you the following testimonial to the qualities which I have found to exist in the Champion Paint, for which you are the agent.

I have known it now for about five years, and have seen the effects of its application, which are the prevention of rust in iron ships. My opinion is that it is far superior for that purpose to any other paint which I have ever tried.

It has a wonderful property of spreading, and two coats of your paint I consider equal to four coats of oxide of iron or red lead.

Now that you grind it in oil, I find that it dries quickly, I can strongly recommend it, for the reasons above given.

I am, yours truly,

H. STEWART.

APPENDIX.

GAS MAKING MACHINES.

COMPARATIVE COST.—1000 cubic feet of coal gas of 16 candle power with a burner consuming 5 feet per hour, will burn for 200 hours. To obtain the same lighting power, it has been found by repeated experiments that 3 gallons of gasoline will be consumed. Thus at 1/- per gallon the cost will be 3/- per 1000 cubic feet. No coal, lime, purifiers, or gas holders are required.

SAFETY.—The gas is only made as consumed. The gasoline is non-explosive, and can be supplied direct from the works, or from the import ship when required for export.

BURNERS.—Special burners must be used for this gas, the prices being about the same as for ordinary gas burners, say 1/3 per doz. Ordinary gas pipes and fittings are used.

BULK.—1 ton of gasoline will make as much gas as 14 tons of coal.

DIMENSIONS.—No. 1 ... 12 light ... 18 by 22 by 30 in. high.					
No. 2	...	25	„	...	22 „ 30 „ 42 „
No. 3	...	60	„	...	29 „ 36 „ 52 „
No. 4	...	100	„	...	35 „ 46 „ 58 „
No. 5	...	150	„	...	42 „ 50 „ 60 „
No. 6	...	200	„	...	48 „ 55 „ 65 „

PRICES OF THE LARGER SIZES—No. 5 ... 150 light ... £145					
	No. 6	...	200 „	...	£185
	No. 7	...	250 „	...	£225
	No. 8	...	300 „	...	£265
	No. 9	...	400 „	...	£350
	No. 10	...	500 „	...	£430

BRONZING CAST IRON.

The following is a method of giving cast-iron the appearance of bronze, without coating it with any metal or alloy. The article to be so treated is first cleaned, and then coated with a uniform film of some vegetable oil; this done, it is exposed in a furnace to the action of a high temperature, which, however, must not be strong enough to carbonize the oil. In this way the cast-iron absorbs oxygen at the moment the oil is decomposed, and there is formed at the surface a thin coat of brown oxide, which adheres very strongly to the metal, and will admit of high polish, giving it quite the appearance of fine bronze.—*Engineer*.

BICYCLES.

Sizes of Machines suitable for the various Heights of Riders.

Diameter of Front Wheel, Inches.	Length of Leg, inside measurement, to Sole of Foot, Inches.	Diameter of Front Wheel, Inches.	Length of Leg, inside measurement, to Sole of Foot, Inches.
36	25	50	32
38	26	52	33
40	27	54	34
42	28	56	35
44	29	58	36
46	30	60	37
48	31		

Purchasers are frequently misled by tempting offers of low priced Machines. This is undoubtedly a mistake, for when there is a reduction in the price, a decrease in quality is too often the result.

Do not be tempted to buy a Machine too high or too light for general road purposes. It is better to have one an inch under your reach. Where weight can be reduced without sacrificing strength, it is desirable; but Backbones, Forks, Hubs, Spokes, &c., cannot be reduced beyond a certain limit without endangering the life of the rider.

GOODS FOR SHIPMENT.—F. O. B. London or Liverpool.

CRATES are charged at the reduced prices of 2/6 each for Bicycles, and 3/6 each for Tricycles, and are *not returnable*.

CASES FOR SHIPMENT.—

BICYCLES.—Case for 1 Bicycle	£0 15 0	TRICYCLES.—Case for 1 Tricycle	£1 5 0
„ 2 or 3 „	1 0 0	„ 2 „	1 10 0
„ 4 „	1 5 0	„ 3 „	2 0 0
„ 6 „	1 10 0	„ 4 „	2 10 0

Nett Prices.

THE “BRITISH MAIL.”

A well-made, strong Roadster, and may be depended upon as a perfectly safe, reliable Machine.

It has good strong U steel rims, hollow steel backbone, most approved Stanley head and neck; powerful brake; buffalo horn handles; oval-shape forks; flint-hard parallel bearings to front, and cone hardened bearings to hind wheel; gun-metal hubs; tough well screwed-in spokes; mud guard; good red rubber tyres, rubber or rat trap pedals; hogskin saddle, bag, spanner and oil can, and **ENAMELLED**.

PRICE:—48in., 50in., 52in. and 54in. - £5 10s.

EXTRAS.

All bright except Rims ...	£0 10 0
Nickel-plating ordinary Bright parts, including Hubs & Spokes	1 0 0
Ditto all over except Rims ...	2 0 0
Ball Bearings, single ball to front wheel	1 0 0
Ditto our make to back wheel	0 15 0
Bent Handle Bars	0 10 0
L. & B. Suspension Saddle	0 7 6

All these Machines fitted with Latest Improved Long Centre Neck.

THE "POPULAR."



A good reliable Roadster, introduced to meet the requirements of those who need a good honest Machine for all-round work. The material throughout is of the best, and the workmanship and finish all that can be desired.

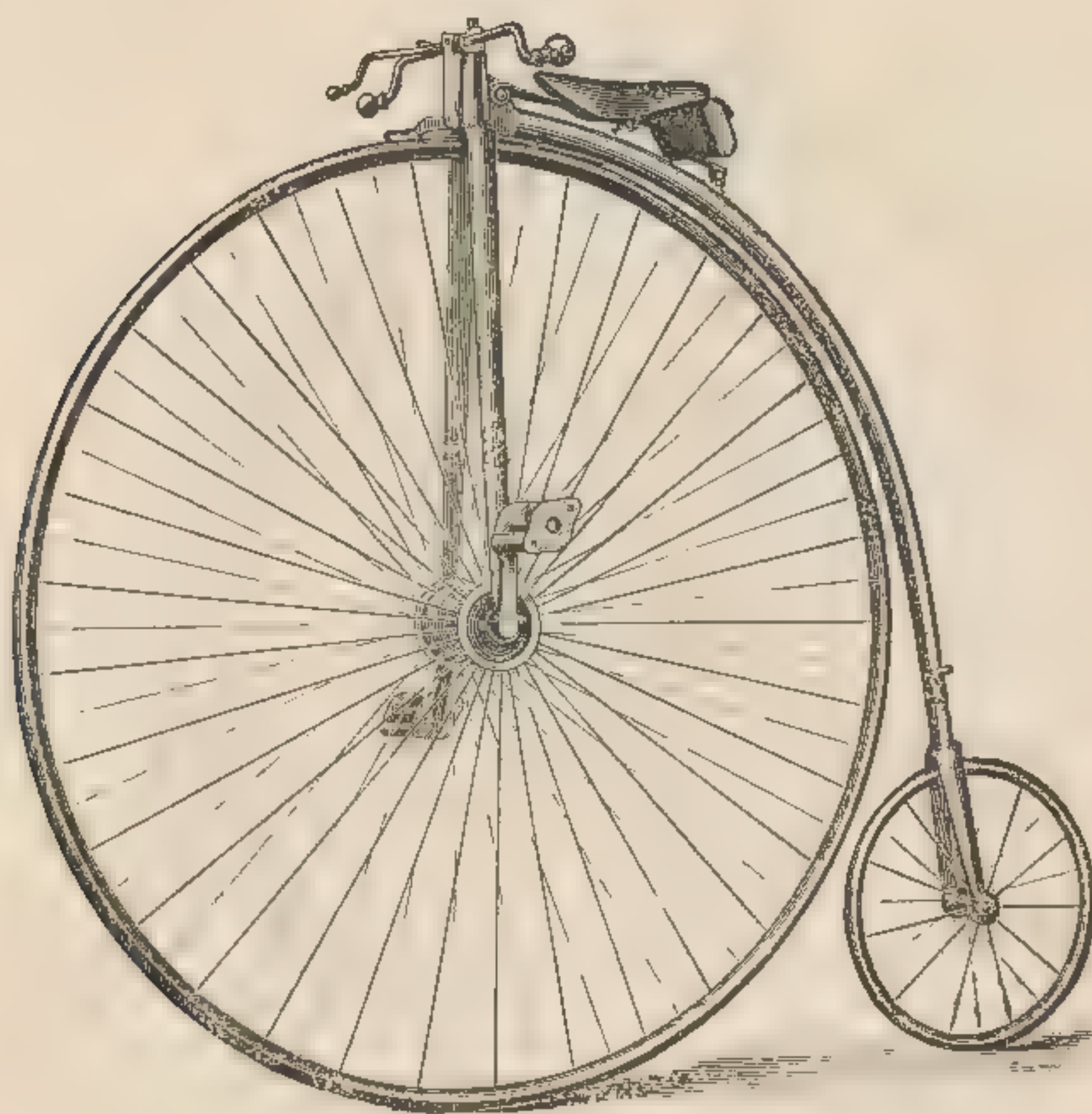
Has the latest pattern Stanley head and long centre neck, steel-hardened centre; long handle bars fitted with horn handles; powerful lever brake; oval hollow steel forks, round hollow steel bone; gun-metal recessed hubs; single row ball bearings; coned hind wheel; steel U rims; $\frac{7}{8}$ and $\frac{3}{4}$ best red rubber tyres; steel spokes; mud guard; web-seat saddle; rubber or rat-trap pedals; pocket oil can; usual bright parts and remainder ENAMELLED.

PRICE: 48in., 50in., 52in., 54in. - - £7.

EXTRAS.

Æolus bearings, front	...	...	...	...	...	£1	0	0
Ball „ back	...	...	...	...	...	0	15	0
All bright except rims	...	...	...	...	...	0	12	6
Nickel-plating usual bright parts including hubs and spokes	...	...	...	...	...	1	2	6
Nickel-plating all over except rims	...	...	...	...	...	2	5	0
Bent handle bars and brake lever	...	...	...	...	...	0	10	0
L. & B. suspension saddle	...	...	...	...	...	0	7	6

THE "IMPROVED."



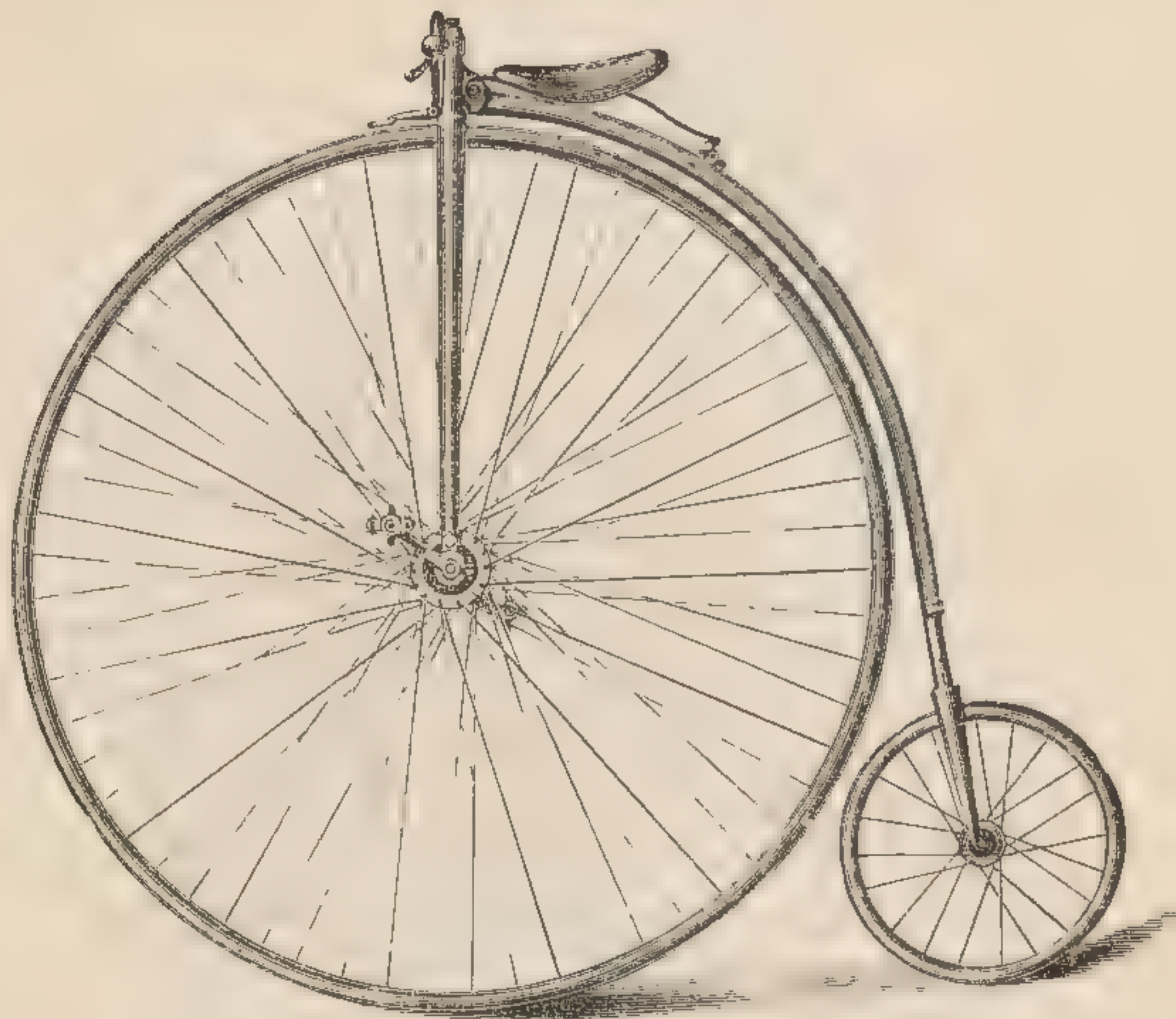
This Machine is constructed as follows:—Latest improved "Humber head and long centre neck; dust guard; wide, straight or bent handle bars powerful brake; patent weldless steel oval hollow backbone and forks; gun metal hubs; direct spokes; detachable cranks; Bown's *Æolus* patent steel case bearings to front wheel, and Bown's *Æolus* back bearing; hollow steel back forks, best crescent steel U rims; best moulded rubber tyres, $\frac{7}{8}$ in. and $\frac{3}{4}$ in.; shackle spring; Lamplugh and Brown's patent suspension saddle Handy tool bag; adjustable spanner; oil can; non slipping coned or plain rubber pedals, and ENAMELLED to order.

PRICE:—48in., 50in., 52in., 54in. - - £10.

EXTRAS.

All bright except rims	...	...	...	£0	15	0
Nickel-plating usual bright parts	.	.	...	1	10	0
Ditto ditto and portions of frame, forks and head				2	0	0
Ditto all over except rims	..			3	0	0
Ditto ditto including rims	..	.		3	10	0
Cradle spring	..	.	.	0	10	0
Bown's <i>Æolus</i> patent ball pedals	...	...	...	1	5	0

THE "HERALD."



ROADSTER.

$\frac{5}{8}$ in. and $\frac{3}{4}$ in. Hollow Rims and Rubbers. Weight of 52in., 36 lbs.

SEMI-RACER.

$\frac{3}{4}$ in. and $\frac{5}{8}$ in. Hollow Rims and Rubbers. Weight of 52in., 30 lbs.

This Machine is built up with all improvements "Humber" head and long centre neck; bent bars, any shape and length, choice horn handles; patent weldless hollow backbone and forks; light shell-steel hubs; laced spokes; Warwick's patent hollow rims; pure para moulded tyres; Bown's Æolus latest patent ball bearings to both wheels; hollow steel shell back forks; detachable cranks; best selected fittings, with ball pedals, and elegantly **ENAMELLED** all over to order, including spokes and hubs: black is standard colour.

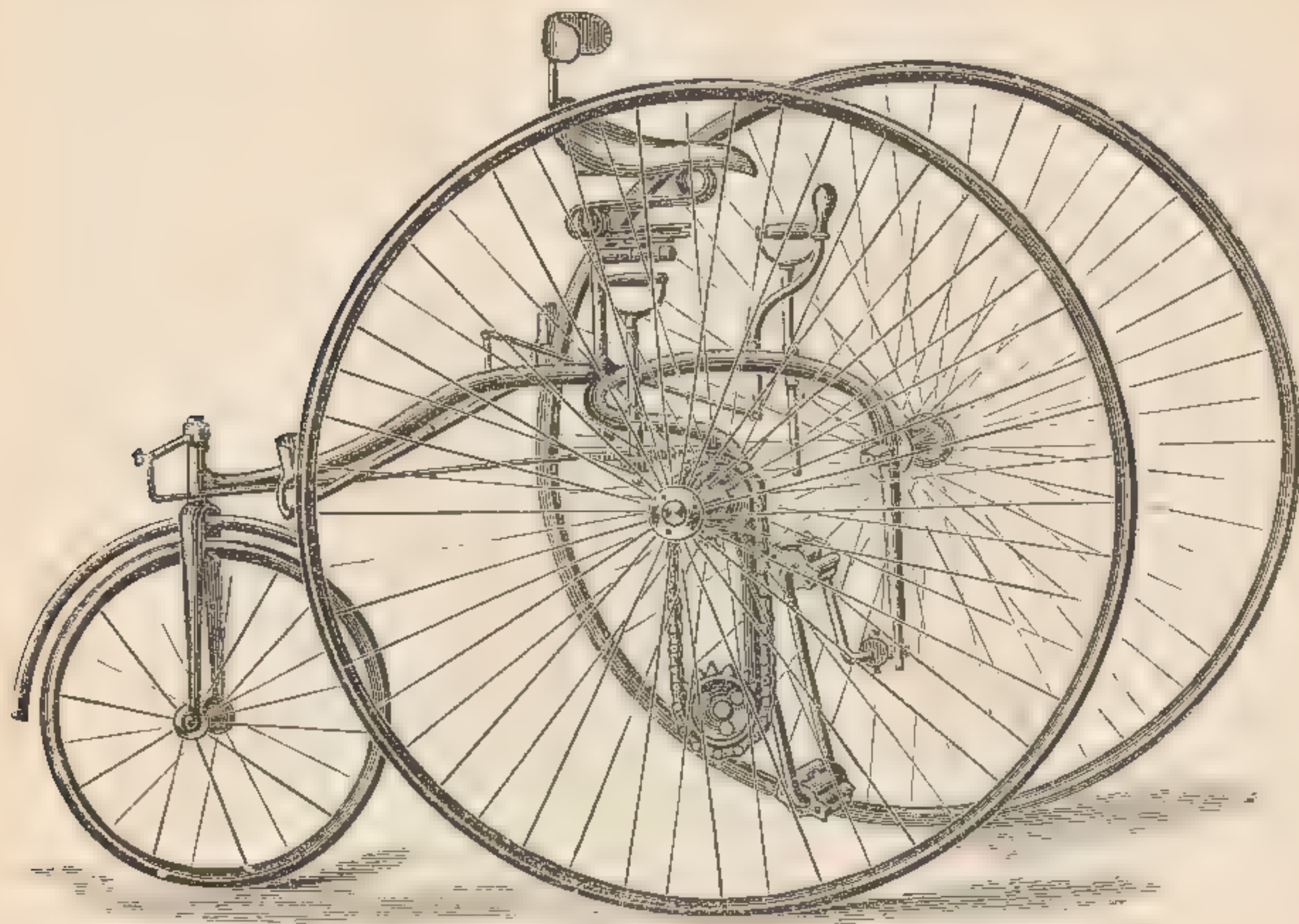
PRICE:—48in., 50in., 52in., 54in. - - £13 13s.

EXTRAS.

Nickel-plating usual bright parts except spokes	...	...	£1	10	0
Ditto	ditto	including portion of bone, forks, and head	}	2	0
Ditto	all over except rims and spokes	...		3	0
Non-slipping tyres	...	...	0	15	0
Kelsey patent ventilated handles	...	...	0	10	0
Ivory handles	...	...	1	10	0
Fluted forks, front and back	...	...	1	0	0
Cradle spring	...	...	0	10	0
Hollow handle bar	...	...	0	10	0

State if Roadster or Semi-Racer is required.

THE "EMPRESS" TRICYCLE.



SINGLE DRIVER.

This Machine has two equal front wheels which can be readily taken off so as to allow the Machine to pass through the smallest doorway.

It has a powerful double brake which will enable the rider to stop immediately in descending the steepest hills. It is driven by means of an endless chain (steel bushed). The frame is of the best patent weldless steel tube, parallel bearings, and is so made that the pedals are brought directly under the rider, so that the Machine can be driven with the greatest rapidity. The seat is adjustable, and can be raised or lowered in a quarter of a minute by means of a small neat lever, and moved forwards or backwards according to the requirements of the rider.

The steering is simple and effective—two handles are placed in the front, one turns the steering wheel at the back, while the other is for support and to it is attached a separate brake-handle.

The rider sits on a nicely-cushioned seat or saddle, and there are rests for the feet when going down hill. The Machine is thoroughly well made, with the very best materials and workmanship procurable; is neatly **ENAMELLED** all over, moves with wonderful ease, and is a splendid hill-climber.

Complete with Lamps, Bell, Pocket and Tools,

PRICE—11 GUINEAS.

EXTRAS.

Cradle Spring	...	£0 10 0	Half nickel-plated	...	£1 10 0
Balls to Cranks	...	1 0 0	Ball bearings, all wheels		2 0 0

THE LADY'S "EMPRESS."



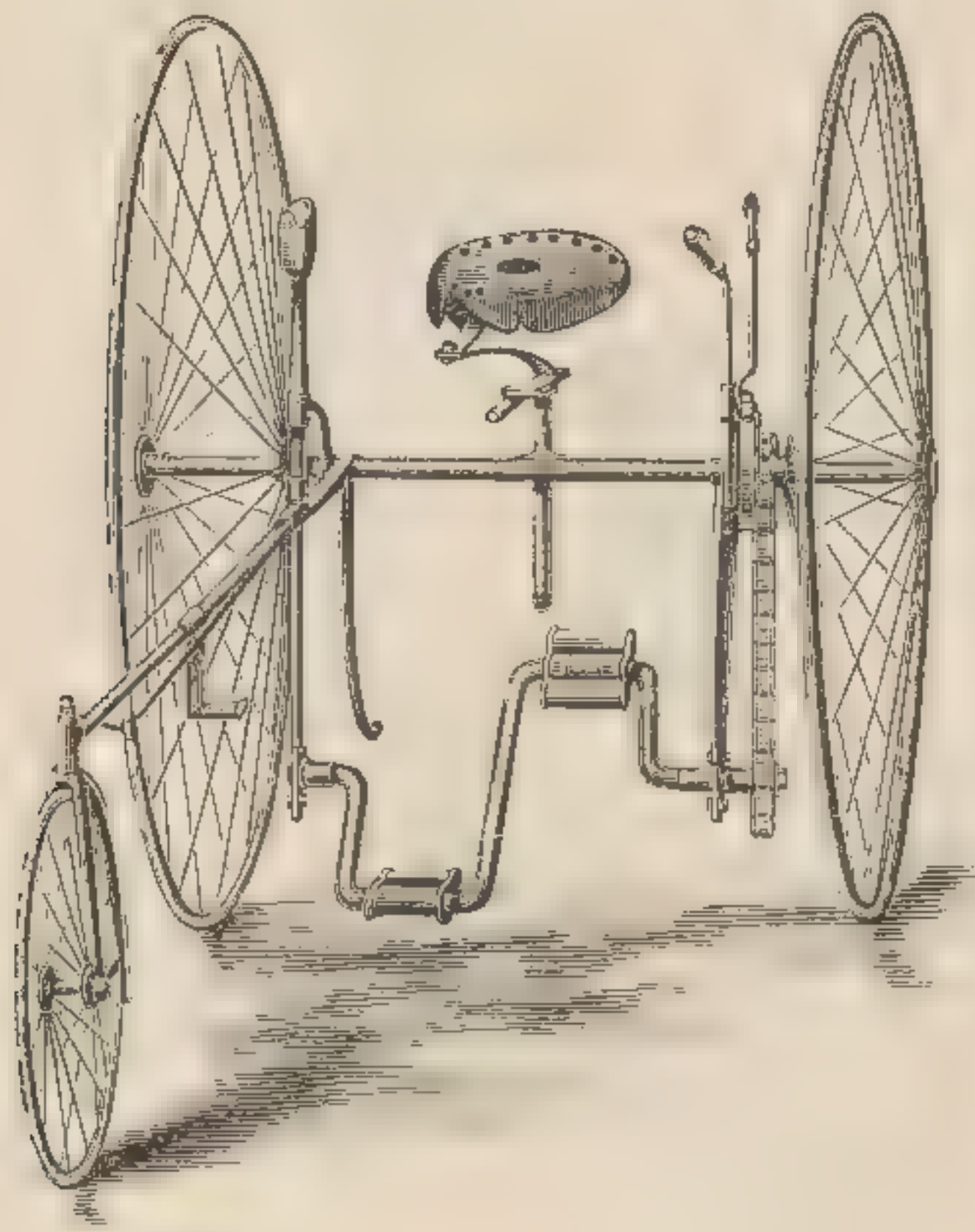
This Tricycle is specially adapted for Ladies' use. In construction it is similar to the ordinary "Empress," except being built much lighter, and in addition is supplied with dress guard to prevent the dress coming in contact with the chains. The cranks have also a shorter throw, to prevent the necessity of raising the feet too high, and the weight is reduced as much as possible.

SPECIFICATION.—Neat dress guards, fitted so as to entirely cover driving chains; short throw to cranks, &c., and **ENAMELLED** all over.

PRICE—11 GUINEAS.

EXTRAS.—Same as ordinary "Empress."

THE "EMPRESS" TWO-TRACK.



FRONT-STEERER.

A high-class Machine with all the latest improvements, including adjustable handles; new patent double driving balance gear; balls to all wheels, pedals and cranks. Is made entirely of best materials, and finished in every part by skilled workmen. It is one which can be highly recommended as being possessed of every qualification to be desired. Powerful band brake; adjustable handles and hubs nickel-plated, remainder ENAMELLED.

Size of Driving Wheels, 48 inches.

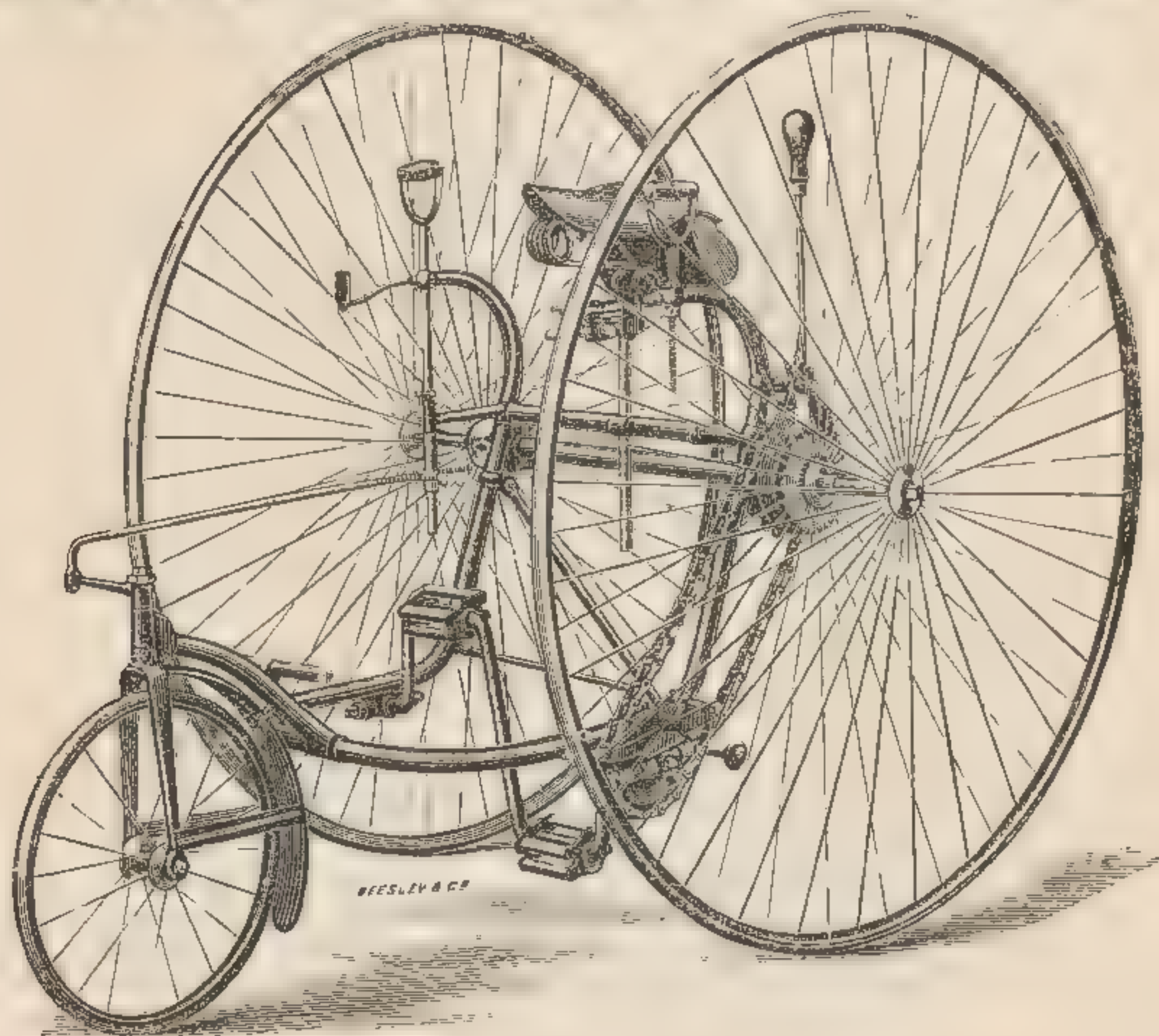
PRICE—17 GUINEAS.

SPECIAL NOTICE.

New "Archimedean" Safety Steering and Automatic Safety Brake fitted to the above.

*This Machine can only be supplied of the Standard pattern and size,
but with either saddle or ordinary seat.*

THE "EMPRESS."



FRONT-STEERER.

A well-made Front-steering Tricycle to drive both wheels, fitted with **PATENT DOUBLE-DRIVING BALANCE GEAR**, by which means the driving power is equally distributed mechanically, as it may be required, to the two side wheels. The steering is effected by the small wheel in front.

SPECIFICATION.—Front-steering, double-driver; finest steel tube frame; powerful band brake; improved simple and noiseless steering; adjustable handles; balls to all wheels, pedals, and cranks; usual bright parts nickel-plated, including crank and axle, remainder **ENAMELLED**.

Size of Driving Wheels, 48 inches.

PRICE -18 GUINEAS.

This Machine can only be supplied of the Standard pattern and size, but with either saddle or ordinary seat.

New "Archimedean" Safety Steering and Automatic Safety Brake fitted to the above.

THE "EMPRESS" SOCIABLE.

FRONT-STEERER.

Fitted with **PATENT DOUBLE-DRIVING BALANCE GEAR**; adjustable handles; "Archimedean" steering; powerful automatic band brake; ball bearings to all wheels, cranks and pedals; usual bright parts plated, and remainder **ENAMELLED** to order.

COMPLETE WITH BAG, OIL CAN, WRENCH AND LAMPS,

PRICE—22½ GUINEAS.

Size of Driving Wheels, 46 inches.

This Machine can only be supplied of the Standard pattern and size as above.

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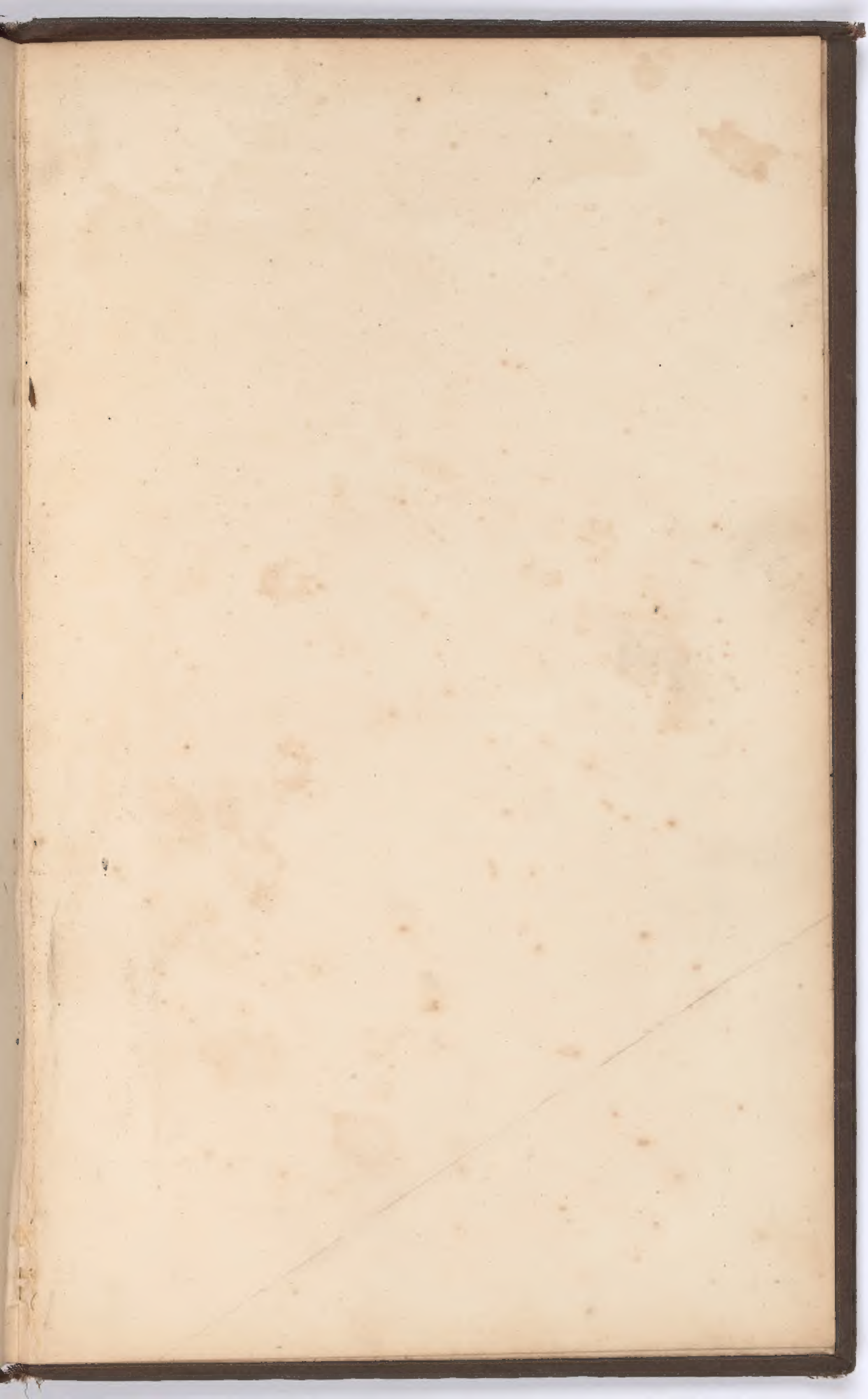
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